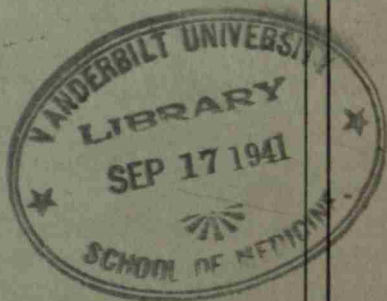


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BULLETIN
of
VANDERBILT UNIVERSITY
NASHVILLE, TENNESSEE



SCHOOL OF MEDICINE

REGISTER, 1940-1941
ANNOUNCEMENTS, 1941-1942

JULY 1, 1941

BULLETIN

of

VANDERBILT UNIVERSITY

SCHOOL OF MEDICINE

REGISTER, 1940-1941

ANNOUNCEMENTS, 1941-1942

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JULY 1, 1941

NUMBER NINE

CALENDAR

SEPTEMBER 1, 1941 - AUGUST 31, 1942

SEPTEMBER							OCTOBER							NOVEMBER							
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UNIVERSITY CALENDAR

1941-1942

- Sept. 23 Tuesday* . . . Registration. Special examinations.
- Sept. 24 Wednesday* . . . Registration. Assembly of all new students at
11 A.M.
- Sept. 25 Thursday* . . . Instruction begins.
- Nov. 27 Thursday* . . . A holiday. Thanksgiving Day.
- Dec. 6 Saturday* . . . First Trimester ends.
- Dec. 8 Monday* Second trimester begins.
- Dec. 20 Saturday* . . . Christmas vacation begins at 12:30 P.M.
- Jan. 5 Monday* Instruction resumed.
- Mar. 7 Saturday* Second trimester ends.
- Mar. 9 Monday* Third trimester begins.
- Apr. 2 Thursday* Easter holidays from Thursday evening, April
2 to Monday morning, April 6.
- May 27 Wednesday* . . . A holiday, Founder's Day.
- May 28 Thursday* Third trimester ends.
- May 29 Friday* Examinations begin.
- June 7 Sunday* Commencement Sermon.
- June 10 Wednesday* . . . Commencement Day. Graduating Exercises and
Commencement Address, 10 A.M.

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*Leave of absence until March 1, 1942.

- JERE W. CALDWELL, M.D., *Assistant in Clinical Otolaryngology*
WILLIAM H. CAROTHERS, M.D., *Assistant in Clinical Dental Surgery*
SAM CECIL, B.S., *Assistant in Biochemistry*
F. W. COOPER, JR., M.D., *Assistant in Clinical Surgery*
HENRY M. COX, M.D., *Assistant in Clinical Surgery*
JAMES H. CROWDIS, JR., B.A., *Assistant in Physiology*
RAYMOND R. CROWE, M.D., *Assistant in Clinical Medicine*
JOHN SIMS CRUTCHER, M.D., *Assistant in Clinical Medicine*
CARL R. CRUTCHFIELD, M.D., *Assistant in Clinical Surgery*
LEO DICKISON, PH.D., *Research Assistant in Pharmacology*
J. W. ERWIN, M.D., *Assistant in Preventive Medicine and Public Health*
CARL L. FOX, *Assistant in Biochemistry*
BETTY FREELAND, B. A., *Assistant in Biochemistry*
HENRIETTA FRUEND, M.D., *Assistant in Obstetrics and Gynecology*
ROBERT KNOX GALLOWAY, M.D., *Assistant in Preventive Medicine and Public Health*
S. C. GARVIN, D.D.S., *Assistant in Clinical Dental Surgery*
L. RUBEN GAYDEN, M.D., *Assistant in Clinical Urology*
ANDRES GOTH, *Research Assistant in Pharmacology*
WILLIAM M. GOVIER, M.D., *Research Assistant in Pharmacology*
ELIZABETH HALL, B.A., *Research Assistant in Pharmacology*
HAROLD B. HENNING, M.D., *Research Assistant in Medicine*
ANDREW N. HOLLABAUGH, M.D., *Assistant in Clinical Otolaryngology*
DOROTHY M. HORSTMAN, M.D., *Assistant in Medicine*
BLAIR V. JAGER, M.D., *Assistant in Medicine*
ORRIN JONES, M.D., *Assistant in Clinical Dental Surgery*
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CLEO M. MILLER, M.D., *Assistant in Clinical Surgery*
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Public Health*
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ALLEN E. VAN NESS, M.D., *Assistant in Clinical Obstetrics*
THOMAS S. WEAVER, M.D., *Assistant in Clinical Pediatrics*
KENNETH D. WEEKS, M.D., *Assistant in Pathology*
WILLIAM WESLEY WILKERSON, JR., M.D., *Assistant in Clinical
Otolaryngology*
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-
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Neurologists and Psychiatrists

Neurologist and Psychiatrist-in-Chief: ALBERT W. HARRIS; *Visiting Neurologists and Psychiatrists*: FRANK H. LUTON, WILLIAM DE-GUTIERREZ-MAHONEY; *Assistant Visiting Neurologists and Psychiatrists*: J. PILMOOR GILBERT, WILLIAM F. ORR, JR.

Dermatologists

Dermatologist-in-Chief: HOWARD KING; *Visiting Dermatologist*: CHARLES M. HAMILTON; *Assistant Visiting Dermatologists*: LEON M. LANIER, M. I. JEFF DAVIS.

Haematologists

Consulting Haematologist: EDNA H. TOMPKINS; *Haematologist:* EDGAR JONES.

Resident Staff

Resident Physician: F. TREMAINE BILLINGS; *Assistant Resident Physicians:* DOROTHY M. HORSTMAN, MALCOLM J. MANN, BLAIR V. JAGER; *Internes:* BENJAMIN P. FOLK, JR., LAURENCE GROSSMAN, JOE H. CRAMPTON, THEODORE B. STEINHAUSEN, THOMAS A. DONNELL, ROBERT D. BEECH.

SURGERY

BARNEY BROOKS, *Surgeon-in-Chief*

General Surgery

Visiting Surgeons: RICHARD A. BARR, LEONARD W. EDWARDS, BEVERLY DOUGLAS, GEORGE S. JOHNSON, RALPH M. LARSEN, COBB PILCHER; *Associate Visiting Surgeons:* ROLLIN A. DANIEL, JR., DUNCAN EVE, THOMAS D. MCKINNEY, DAVID R. PICKENS, NATHANIEL S. SHOFNER; *Assistant Visiting Surgeons:* WILLIAM C. BILBRO, JR., HENRY M. CARNEY, WILLIAM J. CORE, CARL R. CRUTCHFIELD, MURRAY B. DAVIS, ROGERS N. HERBERT, JAMES A. KIRTLEY, JR., TRAVIS H. MARTIN, CARL S. McMURRAY, CLEO M. MILLER, OSCAR G. NELSON, ELKIN L. RIPPY, HARRISON H. SHOULDERS, DAUGH W. SMITH, W. ALBERT SULLIVAN, CHARLES C. TRABUE, BERNARD M. WEINSTEIN, THOMAS B. ZERFOSS.

Orthopedic Surgery

Visiting Surgeons: R. WALLACE BILLINGTON, EUGENE M. REGEN; *Associate Visiting Surgeons:* ROBERT R. BROWN, GEORGE K. CARPENTER; *Assistant Visiting Surgeon:* J. JEFFERSON ASHBY.

Urological Surgery

Visiting Surgeon: EDWARD HAMILTON BARKSDALE; *Associate Visiting Surgeons:* HENRY L. DOUGLASS, JEFFERSON C. PENNINGTON, BURNETT W. WRIGHT; *Assistant Visiting Surgeons:* HORACE C. GAYDEN, L. RUBEN GAYDEN, MAX K. MOULDER.

Ophthalmology

Visiting Surgeons: HENRY CARROLL SMITH, ROBERT SULLIVAN; *Associate Visiting Surgeons:* FOWLER HOLLABAUGH, KATE SAVAGE ZERFOSS.

Otolaryngology

Visiting Surgeons: MARVIN M. CULLOM, WILLIAM G. KENNON;
Associate Visiting Surgeons: GUY M. MANESS, EUGENE ORR; *Assistant Visiting Surgeon:* WILLIAM W. WILKERSON, JR.

Dental Surgery

Visiting Surgeons: WALTER O. FAUGHT, WALTER M. MORGAN, OREN A. OLIVER; *Associate Visiting Surgeons:* WILLIAM S. GRAY, FRED H. HALL; *Assistant Visiting Surgeon:* R. BOYD BOGLE, JR.

Radiology

Visiting Radiologist: C. C. McCLURE; *Associate Visiting Radiologist:* HERBERT C. FRANCIS; *Consulting Physicist:* ARTHUR C. OMBERG; *Assistant Resident Radiologist:* BEN R. MAYS.

Resident Staff

Resident Surgeon: LOUIS ROSENFELD; *Assistant Resident Surgeons:* RALPH J. ANGELUCCI, RUDOLPH LIGHT, RANSOM R. BUCHHOLZ, WILLIAM F. MEACHAM, EDMUND W. BENZ; *Internes:* THOMAS J. HOLBROOK, JESSE F. SCOTT, WALTER L. DIVELEY, R. M. TALIAFERRO, JR., WILLIAM G. KENNON, JR.

PEDIATRICS

HORTON R. CASPARIS, *Pediatrician-in-Chief*

OWEN H. WILSON, *Senior Pediatrician*

Visiting Pediatricians: S. M. BLOOMSTEIN, KATHARINE DODD, JOHN M. LEE; *Associate Visiting Pediatricians:* J. FRAZIER BINNS, H. G. BRADLEY, P. C. ELLIOTT, JAMES C. OVERALL, J. CYRIL PETERSON, JOE M. STRAYHORN, WILLIAM O. VAUGHN; *Assistant Visiting Pediatricians:* T. FORT BRIDGES, SOL L. LOWENSTEIN.

Resident Staff

Resident Pediatrician: RICHARD W. BLUMBERG; *Assistant Resident Pediatricians:* HERMAN LEVINSON, SELBY V. LOVE; *Internes:* HAROLD A. CASSADY, THOMAS B. STONE, LUKE ELLENBURG, J. K. DAVID, JR.

OBSTETRICS AND GYNECOLOGY

LUCIUS E. BURCH, *Obstetrician and Gynecologist-in-Chief*

Obstetrics

Visiting Obstetricians: W. B. ANDERSON, JOHN C. BURCH, SAM C. COWAN, M. S. LEWIS, G. SYDNEY McCLELLAN; *Associate Visiting Obstetricians:* JOHN S. CAYCE, R. S. DUKE; *Assistant Visiting Obstetricians:* ELBRIDGE ANDERSON, D. SCOTT BAYER, SAM C. COWAN, JR., HAMILTON GAYDEN, *ARTHUR SUTHERLAND, WILLARD O. TIRRILL, JR., ALLEN E. VAN NESS, PAUL WARNER.

Gynecology

Visiting Gynecologists: JOHN C. BURCH, W. C. DIXON, H. M. TIGERT; *Associate Visiting Gynecologists:* R. S. DUKE, MCPHEETERS GLASGOW, G. SYDNEY McCLELLAN, HARLIN TUCKER; *Assistant Visiting Gynecologists:* D. SCOTT BAYER, HAMILTON GAYDEN, DOUGLAS SEWARD, *ARTHUR SUTHERLAND, WILLARD O. TIRRILL, JR., SAM C. COWAN, JR.

Resident Staff

Resident Obstetrician and Gynecologist: H. KERMIT BRASK; *Assistant Resident Obstetricians and Gynecologists:* GERALD E. KINZEL, CHARLES A. MELLA, JR., JIMMIE L. PINKSTON, HENRIETTA FRUEND; *Internes:* FRED B. GRAY, WILLIS M. HENDRICKS, CHARLES H. FIELD, DEANE D. WALLACE, THOMAS F. WARDER.

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E. W. GOODPASTURE, *Pathologist-in-Chief*

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Resident Staff

Resident Pathologist: DAVID K. GOTWALD; *Assistant Resident Pathologists:* KENNETH D. WEEKS, FRANK C. WOMACK.

*Leave of absence until March 1, 1942.

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Orthopedic Surgery

Chief Visiting Surgeon: R. WALLACE BILLINGTON; *Chief of Clinic:* EUGENE M. REGEN; *Associate Visiting Surgeons:* J. JEFFERSON ASHBY, ROBERT R. BROWN, GEORGE K. CARPENTER.

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*Leave of absence until March 1, 1942.

GENERAL INFORMATION

HISTORY

Vanderbilt University owes its foundation to the munificence of Cornelius Vanderbilt, of New York, who on March 27, 1873, made a donation of \$500,000 for the purpose of establishing a university. This donation was subsequently increased to \$1,000,000.

Further donations were made by Mr. W. H. Vanderbilt, son of the founder, and by Mr. Cornelius Vanderbilt, Mr. W. K. Vanderbilt and Mr. F. W. Vanderbilt, grandsons of the founder. The total gifts of the Vanderbilt family amount to over three million dollars.

Other gifts for the general endowment of the University have been made by many patrons and friends.

Vanderbilt University first granted the degree of Doctor of Medicine in 1875. In 1895 a complete reorganization of the Medical School was undertaken, and the University erected a building on the corner of Elm Street and Fifth Avenue, South, which was considered at that time an adequate and modern medical school plant. The grounds and facilities of the Medical School were greatly extended in 1911 by the purchase of the campus and buildings of the George Peabody College for Teachers, this purchase having been made possible through the generous contribution of Mr. W. K. Vanderbilt for this purpose.

In May, 1913, Mr. Andrew Carnegie contributed \$200,000 to the University to be used for the erection and equipment of a building for the laboratories of the medical school, and later gave \$800,000 as endowment of the school. The funds for the laboratory building were not used for building purposes at the time of the gift, but have been expended in erecting the part of the new Medical School plant which is designated as the Carnegie Building.

In 1915 Mr. William Litterer, a capitalist of Nashville, donated to the University the former medical building of the University of Nashville. This building contained a large assembly hall, class rooms and laboratories of bacteriology and anatomy, and added much to the facilities of the school. This gift is commemorated in the new buildings by a tablet which designates the space devoted to bacteriology as The Litterer Laboratory.

In view of the past record of the school and in view of the favorable location of Nashville as an educational and medical center, Vanderbilt University was selected by the General Education Board of

New York as offering an excellent opportunity for the development of medical education, especially in the Southern States. Accordingly in 1919 this Board appropriated the sum of \$4,000,000 to enable the University to effect a complete reorganization of its School of Medicine in accordance with the most exacting demands of modern medical education. The medical faculty entered into this project with a spirit of eager co-operation.

At this time the directors of the Galloway Memorial Hospital deeded to the University its unfinished hospital building located adjacent to the School of Medicine, which represented an expenditure of about \$250,000. Plans were then drawn for completing this hospital building and for making it part of a larger plant for the School of Medicine.

In June, 1921, after careful study, the program for the new medical plant was modified by the action of the Board of Trust, as it became evident that much was to be gained by uniting the School of Medicine with the rest of the University. It was decided, therefore, to construct an entirely new plant on the main campus of the University, and to abandon the developments on the South Campus. This proposition had been considered many times in past years, but had always been abandoned because of lack of means. At this time, however, the advisability of the move was generally recognized, and it became possible by the active co-operation of the Carnegie Corporation and the General Education Board. By the action of this latter body the University authorities were permitted to use what was needed of the initial appropriation of \$4,000,000 for the erection of a medical school and hospital on the West Campus. The General Education Board and the Carnegie Corporation then united, each giving half of \$3,000,000 to provide additional endowment for the School of Medicine for its operation in the new plant.

The new plant, consisting of a hospital, laboratories for all departments, a school of nursing and power plant, was erected and equipped at a cost of approximately \$3,500,000. The new plant was put into operation in September, 1925. There remains of the original Carnegie gifts and the appropriations by the General Education Board and the Carnegie Corporation a sum of \$5,000,000 for endowment of the School of Medicine and of the Vanderbilt University Hospital. During the period of reorganization of the school, other needs not fully provided for became apparent which were met by further appropriations running over a period of years by the General Education Board and the Carnegie Corporation.

When the new plant was nearing completion an appropriation of \$100,000 was made to the University by the Rockefeller Foundation, to be used over a period of five years for the purpose of furthering the development of nursing education. This sum places the Vanderbilt University School of Nursing on a sound educational basis, comparable to that of the School of Medicine, with which it is closely co-ordinated.

In the spring of 1929, the General Education Board made a donation of \$2,000,000 for additional endowment of the School of Medicine, thus replacing with permanent endowment a series of annual grants to the individual departments of the institution. This was increased on July 1, 1929, by further donations of \$1,500,000 for endowment of the School of Medicine, and of \$4,000,000 for endowment of the Vanderbilt University Hospital. The result of these additional appropriations is a permanent endowment brought about through the capitalization of a series of annual income grants. On July 1, 1935, the secretary of The General Education Board notified university authorities that an additional grant of \$2,500,000 had been made for the Vanderbilt University Hospital and Medical School \$1,000,000 of which was used in the construction of an addition to the Hospital and School of Medicine building and \$1,500,000 for additional endowment.

THE LESLIE WARNER MEMORIAL FUND FOR THE STUDY AND TREATMENT OF CANCER

This fund was established in 1932 in memory of Leslie Warner, of Nashville, Tennessee. It consists of \$7,200, of which \$3,600 was contributed by the nieces and nephews of Mrs. Leslie Warner.

THE RACHAEL CARPENTER MEMORIAL FUND

This fund was established in 1933 by a gift of \$5,000 from Mrs. Mary Boyd Carpenter of Nashville. The income derived from this fund is to be used to promote education in the field of tuberculosis.

BUILDINGS

The building of the School of Medicine is located in the southeast corner of the University Campus. It is constructed in the collegiate Gothic Style, the structure being of concrete with brick and limestone walls. The total length of the building from north to south is 458 feet and from east to west 505 feet. The floor area is approximately 350,000 square feet. The building is in reality a series of buildings brought together so that they are all under one roof.

The laboratories of the various departments of the Medical School are grouped about two courts, which are open on the north side, toward the main part of the campus. The entrance to the Medical School is in the center of the east court. The building on the east side of this court is designated as the Carnegie Building, and contains the laboratories of biochemistry, pharmacology and physiology, one floor being devoted to each of these subjects. The building on the west side of the court contains the laboratories of gross and microscopic anatomy, of pathology, and of bacteriology. In the building forming the south side of the court are the administrative offices of the school, large student laboratories, the Department of Surgery, the laboratory of surgical pathology and the surgical operating rooms of the hospital.

Around the west court are other laboratories of the Medical School. In the building forming the south side of this court are the offices and laboratories of the Departments of Obstetrics and Gynecology, and the Department of Pediatrics; on the fourth floor are the delivery rooms of the hospital. The building on the west side of this court is occupied by the Department of Preventive Medicine and Public Health, and one unit of the hospital used as an isolation section of the Obstetrical ward.

Around two other open courts, similar in size and proportions to the medical school courts, but opening toward the south, are the hospital wards and an extensive out-patient department. The building on the west side of the first court, containing the surgical portion of the hospital, is designated as the Galloway Building, and commemorates the donations made to the Galloway Memorial Hospital which have contributed toward the erection of the new medical plant.

The building forming the north side of the second court is occupied by the Out-Patient Service for Obstetrics and Gynecology; the X-Ray Department and a large open porch. The building on the west side of this court contains the entrance to the private pavilions, and isolation unit for Pediatrics and a unit for semi-private Obstetrics.

The large central unit which forms the west front of the building, is seven stories in height and contains the teaching beds for Pediatrics, Obstetrics and Gynecology, one private pavilion for Obstetrics and two private pavilions for general services. On the seventh floor are house staff apartments.

The two wings connecting the buildings of the north and the south courts contain laboratories, lecture rooms and the library, and form

the connecting links between the hospital and the medical school. The laboratories in these buildings are arranged especially for the use of the clinical departments of the school. Another building extending toward the east from the main structure and facing on the Hillsboro Road, built about a closed court, contains the entrance to the hospital and its administrative offices, the living quarters of a portion of the resident staff, the kitchens, and on the top floor two wards for private patients. The hospital contains 372 beds, which includes bassinets.

The entire plant is so arranged that there is free communication between the various departments of the school and the hospital, and the library, with its spacious reading room, is in the center of the building. The medical school is arranged to accommodate two hundred students.

The building for the school of nursing is in conformity with the building of the medical school. It is directly north of the medical school building, facing Hillsboro Road.

The power house is located on the west side of the campus, facing Twenty-fourth Avenue. It serves the medical school and the hospital with steam and electricity, being connected with them by a large tunnel. It also supplies the other University buildings with like services. In addition to the boiler plant and electrical equipment, the power house contains the hospital laundry.

FACILITIES FOR INSTRUCTION

The buildings of the School of Medicine contain all the necessary departments, facilities and equipment for conducting a modern hospital and for the teaching of all the subjects contained in the medical curriculum. The laboratory and clinical facilities are closely coordinated, with the purpose that there shall be a ready flow of ideas between the laboratories of the medical sciences and the wards and out-patient service. Teaching laboratories, especially designed for their respective uses, are provided for gross and microscopic anatomy, biochemistry, physiology, bacteriology, pathology, pharmacology, preventive medicine, and for the clinical departments.

There are also a number of lecture rooms equipped with projection apparatus and other modern accessories for teaching, as well as an amphitheatre for clinical demonstrations which can accommodate practically the entire student body. Besides meeting the needs fully for the usual type of medical instruction, each department is provided with accommodations for a large number of advanced students and research workers.

The hospital consists of twelve units of from 18 to 30 beds. These units are designed for the following uses: One unit for male medical cases, one for female medical cases, one for male surgical cases, one for female surgical cases, and one divided unit for male and female colored patients. One unit for gynecology; one unit for obstetrics, with subsidiary unit for obstetrical isolation; one unit for pediatrics, with subsidiary unit for isolation; one unit for private obstetrics, three units for private general cases. The entire hospital is operated by members of the teaching staff of the School of Medicine.

Adjoining the wards of the hospital there are laboratories equipped for the more generally used diagnostic laboratory procedures in which students perform the various tests and examinations which the cases assigned to them may require. Each ward laboratory is provided with lockers for the microscopes and other instruments the students are required to own.

The out-patient service occupies the entire first floor of the southern portion of the building. It is especially designed for teaching and contains a series of examining, treatment and teaching rooms for general medicine and surgery, pediatrics, neurology, dermatology, dentistry, orthopedic surgery, ophthalmology, otolaryngology, obstetrics, gynecology, and urology. A waiting room adjoins each department, and several small clinical laboratories are placed in convenient locations.

The department of radiology, equipped for fluoroscopic examinations, the making of radiograms, X-ray treatment, and for demonstration and study of radiograms is conveniently located with respect to the Out-Patient Service and hospital beds.

The surgical operating rooms are placed over the central portion of the medical school court, facing north. There are five large operating rooms, and three delivery rooms with the necessary complement of preparation and labor rooms. These facilities are located on the same floor and in immediate proximity to the main Obstetrical ward. A room for students is provided on the operating room floor.

Besides the clinical facilities offered by the wards and out-patient service of the University Hospital, the School of Medicine has been granted the privilege of recommending the staff of the Nashville General Hospital during eight months of the year and uses its two hundred twenty-five ward beds for clinical instruction. Teaching privileges have also been accorded to the school by the Central State Hospital for the Insane.

REQUIREMENTS FOR ADMISSION

The School of Medicine selects its students from those who fulfill one of the following conditions:

1. Graduates of a college or university of recognized standing.
2. Seniors in absentia of a college or university of recognized standing who will be granted the Bachelor's degree by their colleges after having completed successfully at least one year of the work of the School of Medicine. A properly accredited statement to this effect from the colleges shall accompany all applications for admission as seniors in absentia. A form is furnished for this purpose.
3. Students of foreign universities of recognized standing who have completed at least the equivalent of three years of collegiate education may be admitted to the School of Medicine at the discretion of the Committee on Admissions.

As admission to the School of Medicine is competitive, students will be selected on the basis of the quality of their college work and the general fitness of the applicant for the study of medicine.

Every candidate must present evidence of having satisfactorily completed during his college course the following minimum requirements, in which a semester hour is the credit value of sixteen weeks' work consisting of one hour of lecture or recitation or at least two hours of laboratory work:

1. *Biology*.—One full course of eight semester hours, of which four must consist of laboratory work. The course may be general biology, zoology, or zoology and botany, but not more than half may be botany.
2. *Chemistry*.—A minimum total of twelve semester hours are required. Eight of these must be in general inorganic chemistry and must include four semester hours of laboratory work. There must also be presented four semester hours credit for organic chemistry covering both aliphatic and aromatic compounds and including two hours of laboratory work.
3. *Physics*.—Eight semester hours are required, of which at least two shall be laboratory work. The first year of college mathematics should be prerequisite to the course in physics. It is desirable that emphasis be placed on quantitative laboratory work.
4. *English and composition*.—Six semester hours.

5. *A modern foreign language.*—Six semester hours of French or German based on two units in high school or their equivalent in college.

The following recommendations are made in order to guide students intending to study medicine in the selection of their college courses.

1. *Biology.*—An advanced course of at least eight semester hours including at least two semester hours of laboratory work is highly desirable. This course should include vertebrate anatomy and embryology. If it does not, these subjects should be covered in other courses.

Credit will not be given for courses in physiology, histology, hygiene, sanitation, entomology, special bacteriology, neurology and similar subjects covered in the medical curriculum. Students are advised not to take such courses as part of their college work.

2. *Chemistry.*—The chemical preparation should include courses in the physical chemistry of solution and in quantitative technic. The latter may well be part of the laboratory work in physical chemistry. Those students who have not had physical chemistry are advised to supplement their preparation by studying a modern text such as *Physical Chemistry—A Brief Course*, by Louis J. Bircher, published by Prentice Hall, 70 5th Ave., New York.

Credit toward the minimum requirements will not be given for work in physiological and nutritional chemistry covered in the medical curriculum. The student is advised to devote any extra time available for chemistry to more fundamental courses.

The ability to utilize ordinary mathematics, such as college algebra and logarithms, is essential in the study of modern chemistry, and a knowledge of elementary calculus is highly desirable.

3. *Physics.*—In addition to the required course in physics, special courses in electricity, light, etc., are desirable and will be considered on the same basis as extra courses in physical and quantitative chemistry.

4. *Psychology.*—A course of at least 4 semester hours, that deals especially with experimental or abnormal psychology, is recommended.

5. *Modern foreign languages.*—A reading knowledge of German and French is especially desirable for the study of medicine, and

preference will be given to students who have taken college courses in these languages which should make available to them the scientific literature in these languages. A college course of six semester hours, based on two units in high school or their equivalent in college, is considered the minimum for this purpose. Credit is given for a reading knowledge of these languages without college credit, when it is demonstrated by examination.

The number of students admitted to the first year class of the School of Medicine is limited to fifty.

Women are admitted on equal terms with men.

Each applicant is required to furnish the names of three persons as references, two of them preferably from among his science teachers, when filing his application. A small unmounted photograph is also required at this time, and the scholastic aptitude test of the Association of American Medical Colleges should be taken in December of the year previous to application for admission to the School of Medicine.

SCHOLASTIC APTITUDE TEST

This test is given at the various universities and colleges usually in December. Every premedical student who will be a candidate for admission to any medical school should take this test. Practically every medical school proposes to use the test as one of the factors in selecting students for admission.

The scholastic record, together with the recommendations and the score made on this examination will be used by the Committee on Admissions in considering applications for admission to the school of medicine.

Applications for admission may be filed any time during or after the applicant's last year of premedical work. The Committee on Admissions usually begins its meetings to consider applications for the succeeding year about December 1 of each session. The applications are passed upon by the Committee on Admissions, and a final decision of acceptance or rejection may be reached at any time. Successful applicants are required to make a deposit of \$50.00 within a specified time after notification of their admission. This deposit is credited toward the payment of the first tuition, and in the event the student does not matriculate, it is not returnable. Failure to make this deposit

within the specified time may cause the applicant to forfeit his place in the school.

Application forms may be obtained by applying to the Registrar, Vanderbilt University, School of Medicine.

REGISTRATION

All students are required to register and to pay the fees for the first half of the year at the opening of the session in September, and for the second half year on or before January 31.

Any student who has failed to pay tuition and other fees ten days after they are due will be excluded from classes.

All students who fail to register on the days designated will be charged a fee of \$3.00 for late registration.

THE MEDICAL-SCIENTIFIC COURSE OF THE COLLEGE OF ARTS AND SCIENCE

In order to meet fully the requirements for entrance to Medicine, but at the same time to retain the cultural value of academic work and yet effect a saving of a year, the College offers the Medical-Scientific Course covering three years. Students who have satisfactorily completed the above course and whose applications for admission to the School of Medicine have been officially accepted, will, upon the completion of the first-year course in medicine, be given twelve hours' credit toward the Bachelor's degree.

Students desiring information in regard to this course should write to Dean F. C. Paschal of the College of Arts and Science, Vanderbilt University.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing when vacancies occur under the following conditions. Applications for advanced standing should be filed according to the procedure described for admission to the first year class, acceptable applicants being required to make the same deposit of \$50.00. Applicants must furnish acceptable evidence of having completed the conditions of admission as prescribed on pages 32, 33 and of having satisfactorily completed in an accredited medical school all the work required of students of the class they desire to enter. They must also present a certificate of honorable dismissal from the medical school or schools they have attended.

EXAMINATIONS AND PROMOTIONS

Successful completion of the various courses of the medical curriculum and the scholastic standing are determined by the character of the students' daily work and the results of examinations. Examinations may be written, oral or practical, and they may be held either at the completion of each course or at the end of the academic year. The quality of the work of each student is considered, usually at the end of each trimester, by a committee composed of the instructors responsible for his more important courses.

Students who fail in two major subjects at any time during their medical course may be required to withdraw from the school. Students who fail in two major subjects in the same department during a scholastic year or fail a re-examination in a major subject may be required to withdraw from the school. Students who have had no reported failures may be required to withdraw from the school if their work has been of general unsatisfactory quality. Students may be given credit for a subject by re-examination, but failures remain on their records, and may be counted as a cause for requesting withdrawal, provided another failure in a major course occurs. Major Courses are as follows:

First Year—Gross Anatomy, Histology, Neurology, Biochemistry, and Physiology.

Second Year—Bacteriology, Pathology, Pharmacology, Physical Diagnosis, Clinical Pathology, and Parasitic Diseases.

Third Year—Medicine, Surgery, Surgical Pathology, Obstetrics.

Fourth Year—Medicine, Surgery, Preventive Medicine and Public Health, Pediatrics, Gynecology.

No information regarding their relative scholastic standing is given to students. Students will be notified whenever the Committee on Promotion considers their work of poor quality, thus serving notice of the necessity for greater effort in order to carry the work of the school.

Any student who indicates by his work or his conduct that he is unfit for the practice of medicine may at the discretion of the Executive Faculty be requested to withdraw from the school at any time.

Students who at the beginning of an academic year have failed to complete all the work of the preceding years may not be allowed to carry all the prescribed courses. This rule applies especially to courses for which adequate preparation has not been gained by the completion of preceding courses.

Students may be required to repeat courses that they fail to pass on re-examination.

ELECTIVE WORK

Students are required to obtain credit for six units of elective or special work during their course. One unit is equivalent to two hours a week for one trimester. Elective units may be obtained as credit for elective courses or for a thesis prepared under the direction of and acceptable to the head of a department. Students entering elective courses are required to complete them in order to obtain elective units.

Elective units may also be obtained for special work done in or accepted by any department, when such work is considered by a committee of the faculty to be of superior quality.

Students are advised to consult the head of a department in which they may care to take special or elective work. This work need not be in a department in which required courses are being carried.

A notice in writing must be given to the Registrar at the time elective or special work in any department is begun. Students failing to give such notice may not receive credits for the elective work taken.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character. They must have spent at least four years of study as matriculated medical students, the last two of which must have been in this school. They must have satisfactorily completed all the required courses of the medical curriculum, have passed all prescribed examinations, and be free of indebtedness to the University. At the end of the fourth year every student who has fulfilled these requirements will be recommended for the degree of Doctor of Medicine.

FEES AND EXPENSES

Tuition Fee for the Year	\$450.00
This fee is payable in two equal installments, at the beginning of the session and on or before January 31.	
An arrearage in tuition for any session must be paid before admission to the succeeding session.	
Contingent Fee	10.00
This fee covers breakage of apparatus and damage to buildings, and will be returned, less the charges, at the close of each academic year.	
Diploma Fee, charged to Fourth Year Students, payable on or before April 1	5.00
A fee for the support of the Student Union is charged to each student of the University	5.00
Fourth-year students are required to pay a rental charge of \$2.00 for academic hoods at commencement.	

Students who register for the regular four year course in this medical school must pay the full tuition each year. There will be no exception to this requirement.

Graduate students who enroll in regular courses in the medical curriculum for credit toward an academic degree will, if they later become candidates for the Doctor of Medicine degree, be required to pay the full tuition as indicated above.

MICROSCOPES, BOOKS, APPARATUS, ETC.

Each student is required to possess a standard microscope, equipped with a substage light. In order to aid the first-year students in purchasing a microscope, the School of Medicine will advance three-quarters of the purchase price, to be repaid in three equal installments, payable in twelve, twenty-four and thirty-six months after the date of purchase.

The necessary or desirable books cost about \$50.00 a year. All purchases made at the Medical Book Store are on a cash basis.

All students are required to provide themselves with hemocytometers and hemoglobinometers before the beginning of the second trimester of the second year.

Students are required also to provide laboratory gowns, and while working in the hospital wards and out-patient service they shall wear clean white coats.

No rebate of tuition fees can be obtained for absence, except in cases of illness certified to by a physician.

Students who withdraw from the University for any reason or who are dismissed or requested to withdraw by the faculty after the beginning of a term, may not claim and are not entitled to any return or re-payment of tuition, fees, room rent or any other regular charges or assessments, and the University will not be liable for the return or refund of same, except that a student leaving the University to enter the military forces of the United States will be entitled to a refund of the tuition paid by him for the term in which he leaves and will be released from liability for tuition for the remainder of the academic year.

The average annual expenses of a student in the School of Medicine, exclusive of clothes and incidentals, are estimated from the foregoing items as amounting to approximately \$900 to \$1,200.

HONORS AND ORGANIZATIONS

Founder's Medal—This medal is awarded to the student in the graduating class of each School of the University who has attained the highest average standing in scholarship throughout the four consecutive years of study.

The Commonwealth Fund Scholarships—The Commonwealth Fund provides an annual grant as a scholarship fund for deserving medical students. The terms of the scholarship require that a student who receives such consideration shall agree to practice as much as three years in a rural area in Tennessee after graduation and after having served an internship of not less than two years. The scholarships may be renewed for each of the four years of medical study. Only bona fide residents and natives of Tennessee are eligible for these Scholarships.

Students who receive these Scholarships are not expected nor allowed to do outside work during the regular course of instruction.

The Commonwealth Fund Scholarships will not be awarded for the academic years 1941-1942 and 1942-1943. These scholarships may be continued beginning with the academic year 1943-1944, but information is received that they will not be given to students beginning the medical course.

The Beauchamp Scholarship—This scholarship, founded by Mrs. John A. Beauchamp in memory of her husband, who was for many

years Superintendent of the Central State Hospital for the Insane, at Nashville, is awarded to the student showing greatest progress in the department of neurology and psychiatry and who is otherwise worthy and deserving.

The Foshee Scholarship Award is an annual award of \$100 made available by Dr. J. C. Foshee of Grand Rapids, Michigan, who is an alumnus of Vanderbilt University School of Medicine. The award is to be given at the end of the second trimester to a third-year or a fourth-year student whose scholarship rank is in the upper third of the class, who is in need of this aid, who has been, to some extent, self-supporting; and who is a native of a southern state, preferably Alabama.

ALPHA OMEGA ALPHA

A chapter of this Medical Honor Society was established by charter in the School of Medicine in 1923. Not more than one-fifth of the students of the senior class are eligible for membership and only one-half of the number of eligible students may be elected to membership during the last half of their third year. This society has for its purpose the development of high standards of personal conduct, and scholarship, and the encouragement of the spirit of medical research. Students are elected into membership on the basis of their scholarship, character and originality.

The Society invites a scientist of prominence each year usually to deliver a lecture before the students, faculty, and local members of the medical profession. In 1941 the lecturer was Dr. Henrik Dam, Biological Institute, University of Copenhagen, Denmark.

ALUMNI MEMORIAL HALL

The Alumni Memorial Hall was erected during 1924 and 1925 through contributions by the alumni and their friends as a monument to the Vanderbilt men who fell in the World War. It is a handsome building in the collegiate Gothic Style designed chiefly as a center for the social life of the University. It contains a memorial hall, lounging, reading and recreation rooms, a small auditorium and offices for various student activities. The offices of the Alumni Association are in this building. There is also a club room for the members of the faculty.

THE STUDENT COUNCIL

The Student Council consists of representatives of the College of Arts and Science, and the Schools of Engineering, Law, Medicine and Religion. The Council represents the whole body of students on the Campus, calls and conducts general meetings and elections, takes part in the management of student publications, receives communications from the Chancellor and faculties, and, in general, leads and directs student activities.

HONOR SYSTEM

All examination work in this University is conducted under the Honor System.

For the successful operation of the Honor System the co-operation of every student is essential. It is the duty of each student to show his appreciation of the trust reposed in him under this system, not alone by his own conduct, but by insisting on the absolute honesty of others in his class. For the purpose of investigating cases of violation of this system, there exists a Student Honor Committee.

STUDENT HEALTH SERVICE

All members of the first-year class and all students transferring from other institutions, are required to undergo a thorough physical examination within two weeks after the date of admission. Records of these examinations are kept, and students are advised concerning their physical condition and general health.

A member of the medical staff is appointed physician to the students. He has a regular daily office hour in the hospital, and should be consulted by any student who feels in any way indisposed. Students are referred by him to various members of the hospital staff whenever there are indications for such consultations, and all applications for medical care must be made first to the physician to students. There are no fees for this service. Students are admitted to the wards of the hospital when necessary at one-half the regular rate, and they usually occupy beds in small separate wards. No reduction is made for students occupying rooms in the private pavilions.

Rudolph H. Kampmeier, M.D., is physician to the medical students.

The facilities of the gymnasium in Wesley Hall, which include swimming, handball, basketball, tennis, physical exercises, etc., are available to medical students. A fee of \$5.00 a trimester is charged by the University, \$3.25 to be paid by the student and the balance by the School of Medicine.

THE ABRAHAM FLEXNER LECTURESHIP

Announcement was made in the fall of 1927, that Mr. Bernard Flexner of New York City had given fifty thousand dollars to Vanderbilt University for the purpose of establishing the Abraham Flexner Lectureship in the School of Medicine. This Lectureship is awarded every two years to a scientist of outstanding attainments, who shall spend as much as two months in residence in association either with a department of a fundamental science or of a clinical branch. This Lectureship may also be given to one who has specialized in some science fundamental in the study of medicine.

The first series of the Abraham Flexner Lectures was given in the autumn of 1928, by Dr. Heinrich Poll, Director of the Institute of Anatomy of the University of Hamburg, Germany.

The second series of Lectures was given in the spring of 1931, by Sir William B. Hardy, Director of the Low Temperature Research Station at Cambridge University, England.

The third series was given in the winter of 1933 by Dr. Francis R. Fraser, Director of the Medical Unit and Professor of Medicine at the St. Bartholomew Hospital and Medical School, London, England.

The fourth series was given in the spring of 1935 by Dr. Erik Gunnar Nystrom, Professor of Surgery at the University of Uppsala, Sweden.

The fifth series was given in the spring of 1937 by Dr. Thorvald Madsen, Director of the State Serum Institute of Denmark.

The sixth series was given in the spring of 1939 by Dr. Albert Szent-Györgyi, Professor of Medical Chemistry and Director of the Institute for Medical Chemistry in the Royal Hungarian Franz Joseph's University, Szeged, Hungary.

The Abraham Flexner Lectures were not given during the session 1940-1941 as it was not practicable for Sir Edward Mellanby, Director of Medical Research Council of Great Britain, to come here because of war conditions.

THE PHI BETA PI LECTURE

The Phi Beta Pi Lecture was established by the Nashville chapter of the Phi Beta Pi medical fraternity. This lecture is given under the auspices of the faculty of the School of Medicine. Each year a lecturer of prominence is selected, and the lecture is open to the medical students, faculty, and local members of the medical profession. In 1941 the lecturer was Dr. J. F. Fulton, Professor of Physiology, Yale University, School of Medicine.

THE HAGGARD MEMORIAL LECTURE

The Haggard Memorial Lecture was established by the Nashville chapter of the Alpha Kappa Kappa medical fraternity in honor of Doctor William D. Haggard who was a distinguished member of the fraternity. This lecture is given under the auspices of the faculty of the School of Medicine. Each year a lecturer of prominence is selected, and the lecture is open to the medical students, faculty, and local members of the medical profession. In 1941 the lecturer was Dr. Mont R. Reid, Professor of Surgery, University of Cincinnati.

THE VANDERBILT MEDICAL SOCIETY

The medical society holds regular monthly meetings throughout the academic year, on the first Friday of each month at 8 P.M. in the medical school. At these meetings papers are presented by the teaching staff of the school, representing the research that is being carried on in the various departments. Patients presenting interesting and unusual conditions are also demonstrated. These meetings are open to students of the school and to the medical profession of the community.

The officers of the Vanderbilt Medical Society for 1941-1942 are Dr. Charles E. King, President, and Dr. Katharine Dodd, Secretary.

MEDICAL LIBRARY

EILEEN R. CUNNINGHAM, *Librarian*; PEARLE C. HEDGES, *Senior Librarian*; DORINDA H. KNOPP, *Assistant Librarian*; JOSEPHINE NEIL, *Assistant*; NANCY CASTNER ELLIOTT, *Assistant*.

The Library of the School of Medicine contained as of May 1, 1941, 43,650 volumes, and received 804 current periodicals and serial publications.

Complete files of the majority of the important journals both in preclinical and clinical subjects are available, and new titles are being constantly added. The Library also contains numerous reference works and bibliographic tools, as well as many well selected basic textbooks and monographs.

A collection of books and journals illustrating the history and development of the literature of medicine, especially that of the United States, is being built up through generous gifts. This collection is being constantly increased, and contains, in addition to books, objects illustrating the history of medicine.

Important reference tools and journals in the pure sciences are available on the campus in close proximity to the Medical School through the facilities of the Joint University Libraries, which contained on May 1, 1941, a total of 391,897 volumes.

The students of the first-year class are given, early in the first trimester, a brief period of instruction in the use of the medical library. The students are taught the arrangement of the library, and are made familiar with the use of the bibliographic material available, both English and foreign. The students are shown how to consult reference works and indices, and how to prepare bibliographies.

GENERAL PLAN OF INSTRUCTION

Each academic year with the exception of the first (semesters), is divided into three trimesters of eleven weeks each. Required lectures, classroom and laboratory work and practical work with patients occupy approximately seven hours a day on Mondays, Wednesdays and Fridays of each week. The afternoons of Tuesdays, Thursdays and Saturdays are generally free from required work throughout the course. The first two of these afternoons are intended for optional work in elective courses, in the library, or in supplementing the regular work in the laboratories or hospitals. As Tuesday and Thursday afternoons are usually free from required work for all classes, with the exception of the first year class, there is an opportunity for students of different classes to work together in elective courses. This feature of the curriculum tends, to some extent, to break down the sharp distinction between the classes. It also allows students to return to departments in which they have developed special interests.

Saturday afternoons are set aside for recreation, and work at these times is not encouraged.

Admission to the School of Medicine presupposes that every student has had an adequate preparation in chemistry, physics and biology, and the proper comprehension of practically every course in the medi-

cal curriculum is dependent upon knowledge gained in previously required courses. The proper succession of courses is therefore an important factor in determining the medical curriculum. Another important factor is, however, the correlation of courses. In several instances courses given simultaneously are planned to supplement and expand each other. Such correlation also allows students to study a subject from different points of view, and one course may often excite an interest in another.

Although there is no sharp demarcation in the curriculum between the laboratory and the clinical courses, the first year and the greater part of the second year are taken up in the study of the medical sciences,—anatomy, biological chemistry, physiology, bacteriology, pathology and pharmacology.

During the third trimester of the second year attention is strongly focused on technical training needed for the study of patients, which is begun in the hospital wards with the beginning of the third year, the students being assigned to the various wards of the hospitals in groups. The fourth year students are assigned to the different divisions of the out-patient service. By this arrangement the less mature students see the more out-spoken manifestations of disease under conditions which allow their study with greater facility, while the more mature students study the early manifestations of disease, when their recognition is more difficult. The senior students also work more independently, under conditions similar to the actual practice of medicine. During the fourth year an opportunity is also given the students to acquire some of the simpler methods of specialists. No attempt is made however, to give them sufficient knowledge or experience, to encourage them to enter upon the practice of a specialty without serious graduate study.

Throughout the latter half of the course the students are taught as far as possible by practical work, and every effort is made to develop sound and well-trained practitioners of medicine.

Finally, during the fourth year courses in preventive medicine and public health are given, with the intent of familiarizing the student with the more important aspects of the prevention and control of disease. An attempt is also made to interest the student in the relation of disease and injury to society, and to awaken in him a consciousness of his broader obligations to his community and to its social organization. Various aspects of prevention of disease are introduced throughout the entire medical curriculum to the end that the graduate of medicine is imbued with the "Preventive Idea." The

out-patient department is utilized in giving the student a practical knowledge of the social aspects of disease, as well as the application of the principles of prevention in relation to medical practice.

COURSES OFFERED TO CANDIDATES FOR GRADUATE DEGREES

Candidates registered for Graduate Instruction in the University for the degree of Master of Science or of Doctor of Philosophy, may pursue work in the Medical Sciences given in the Medical School, either in regular courses or in special elective courses, provided such students are accepted by the heads of departments concerned. Graduate work in the Medical Sciences is regulated by the faculty of the Graduate School of the University. Candidates for graduate degrees should apply to the Dean of the Graduate School.

POSTGRADUATE INSTRUCTION IN MEDICINE

Postgraduate instruction in the School of Medicine has been placed under the direction of a faculty committee and a Director of Postgraduate Instruction, in co-operation with the heads of the departments. Courses may be offered at any time during the year for periods of varying length. Only a limited number of physicians can be admitted to any course.

A description of available courses may be found in the catalog on page 69. More detailed information may be obtained concerning postgraduate instruction by writing to Howard Miltenberger, Registrar, School of Medicine.

SUMMARY OF THE REQUIRED HOURS OF THE CURRICULUM

First Year		Second Year	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Anatomy	409	Bacteriology	176
Histology	104	Pathology	341
Neurology	51	Pharmacology	110
Biochemistry	288	Clinical Pathology	77
Physiology	288	Obstetrics	22
Psychobiology	11	Medical Statistics	11
	—	Parasitic Diseases	55
Total	1151	Physical Diagnosis	110
		Principles of Surgery	55
		Surgical Clinics	11
		Medical Clinics	11
		Neurological Anatomy	55
		Total	1034

Third Year		Fourth Year	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Medicine	287	Surgery	143
Surgery	309	Medicine	154
Surgical Pathology	99	Preventive Medicine	107
Obstetrics	209	Obstetrics and Gynecology ..	121
Pediatrics	110	Pediatrics	121
Pathology	33	Psychiatry	44
Neurology	22	Urology	55
Psychiatry	22	Orthopedic Surgery	44
		Ophthalmology	44
		Otolaryngology	33
		Dermatology	22
		Neurology	22
		Pathology	33
		Immunology and Serology..	22
		Medical Jurisprudence	11
		Therapeutics	22
		Radiology	11
Total	1091	Total	1009

COURSES OF INSTRUCTION

Courses that are numbered 21 or above may be taken under conditions stated on page 46 as meeting part of the requirements for a graduate degree.

All elective courses are listed in italics.

ANATOMY

Professor CLARK; Associate Professor TOMPKINS; Assistant Professors WARD, SHOFNER, LARSEN; Instructors SPOFFORD, GRAY, HIBBITTS, ASHBY.

Courses of instruction are provided in histology, neurology and gross human anatomy, and opportunities are offered for advanced work and investigation in these sciences.

Physicians and properly qualified students, not candidates for the medical degree, may be admitted to any of the courses by special arrangements with the instructors and may undertake advanced work and original research.

21. **GROSS ANATOMY.**—This course is devoted to a systematic dissection of the human body. The instruction is largely individual and the work of the student is made as independent as possible. Twenty-five hours a week during the first semester of the first year. Dr. Clark, Dr. Tompkins, Dr. Spofford and Dr. Hibbitts.

22. **HISTOLOGY.**—This course is devoted to giving the student a familiarity with the normal structure of the principal tissues and organs of the body. Fresh tissues are used wherever possible for the demonstration of normal cellular function, and students are taught the use of stains in analyzing the characteristics of particular cells. Seven hours a week during the first semester of the first year. Dr. Clark, Dr. Ward and Dr. Gray.

23. **NEUROLOGY.**—The histological aspect of the nervous system, including the structure of nerve cells, fibers and endings, the histology and pathways of the spinal cord, the structure and connections of cerebrospinal and autonomic nerves and ganglia, and the histology of the organs of special sense. Three hours a week during the first semester of the first year. Dr. Ward and Dr. Gray.

24. **ADVANCED NEUROLOGY.**—Using the work of the first year as a basis, an intensive study of the relations, structure and function of the various parts of the central nervous system is made with the aid of gross specimens and dissections, serial sections of brain stems and experimental demonstrations. The lectures are a guide to the laboratory work and present the type of evidence on which the present conceptions of the nervous system are based. Five hours a week during the second trimester of the second year. Dr. Clark, Dr. Ward and Dr. Gray.

25. *Topographical-Applied Anatomy.*—Practical consideration of the anatomical structures chiefly concerned in clinical surgery and medicine. Lectures and laboratory work six hours a week during the third trimester of the second year. Dr. Shofner, Dr. Larsen and Dr. Ashby.

26. *Advanced Anatomy.*—A general review of gross anatomy, or special review and dissection of specific regions of the body in which the student may be particularly interested. Hours and credit by arrangement. Dr. Clark and Dr. Tompkins.

27. *Research in Neurology.*—Conferences and research upon special phases of the structure and function of the nervous system. This course is designed to meet the needs of students desiring special training in neurology. Hours and credit by arrangement. Dr. Clark and Dr. Ward.

28. *Hematology*.—Research and conferences in the application of the newer methods in the study of blood. Experimental work concerning the origin and function of the different blood cells and their interrelationships. Hours and credit by arrangement. Dr. Tompkins and Dr. Gray.

29. *Research*.—Facilities for research will be provided to adequately prepared graduate students who show special aptitude or who are candidates for advanced degrees. Hours and credit by arrangement. Dr. Clark and Staff.

BIOCHEMISTRY

Professor ROBINSON; Associate Professors JOHLIN, MASON; Instructor LUCKEY; Assistants CECIL, FOX, FREELAND.

21. *BIOCHEMISTRY*.—This is a lecture course which includes a review of physical and organic chemistry as applied to the study of body processes. The chemical aspects of digestion, metabolism, respiration, etc., are discussed.

22. *LABORATORY WORK IN BIOCHEMISTRY*.—This course is designed to accompany Course 21. Together they satisfy the requirements for the medical course. 18 hours a week for 16 weeks beginning February 2. Second semester of the first year. Dr. Robinson, Dr. Johlin and Staff.

23. *Advanced Work in Biochemical Methods*.—Open to a limited number of properly qualified students. Admission to course, hours and credit by arrangement. Dr. Robinson and Staff.

24. *Research Work in Biochemistry*.—Admission to course, hours and credit by arrangement. Dr. Robinson and Staff.

25. *Advanced Work in Colloidal Chemistry*.—Admission to course, hours and credit by arrangement. Dr. Johlin.

26. *Advanced Pathological Chemistry*.—Lectures and Seminar on Recent Developments in Biochemistry in Relation to Medicine. Open by arrangement to third and fourth-year students as elective work. Dr. Robinson and Dr. Mason.

27. *Seminar in Biochemical Literature*.—Admission and hours by arrangement. The Staff.

PHYSIOLOGY

Professor GARREY; Associate Professors KING, BERNTHAL; Assistants CROWDIS, WOODCOCK.

21. **PHYSIOLOGY.**—This course for first-year medical students is designed to cover the essentials of medical physiology. Lectures, conferences and laboratory work are given during the second semester. Dr. Garrey and Staff.

22. *Physiological Technique and Preparations.*—A course designed for advanced students. Time and credits by arrangement. Dr. Garrey and Staff.

23. *Special Physiology.*—Optional work for medical students. Conferences and experiments dealing with phases of special physiology. Tuesday and Thursday afternoons of the first trimester.

To be selected from the following topics:

(a) The physiology of reflexes, emphasizing those commonly studied clinically—Dr. King.

(b) The mechanism and control of respiration—Dr. Bernthal.

(c) Cardiac control—Dr. Garrey.

24. *Research.*—Facilities for research may be provided to adequately prepared students. Hours and credit by arrangement. Dr. Garrey, Dr. King and Dr. Bernthal.

PATHOLOGY

Professor GOODFASTURE; Associate Professor AVERY; Assistant Professors DEMONBREUN, DAWSON, BUDDINGH; Instructors CROMARTIE, GOTWALD, ANDERSON; Assistants WEEKS, WOMACK; Research Assistant, SCOVILLE.

21. **GENERAL AND SPECIAL PATHOLOGY.**—Various phases of general and special pathology are presented by lectures, demonstrations, discussions and laboratory work. Both the gross and the microscopic lesions characteristic of various diseases are studied and correlated. The class attends and may assist with post mortem examinations performed during the year.

Seventeen hours of lectures and laboratory work a week during the first trimester and fourteen hours of lectures and laboratory work a week during the second trimester of the second year. Dr. Goodpasture, Dr. Dawson, Dr. Cromartie and Staff.

22. **CLINICAL PATHOLOGICAL CONFERENCES.**—This is a weekly meeting of the third and fourth year students, and members of the hospital staff at which the clinical aspects and diagnosis of fatal cases are discussed, followed by an exposition and an explanation of the pathological changes that are discovered at autopsy.

One hour a week throughout the third and fourth years. Dr. Goodpasture in conjunction with members of the clinical staff.

23. *Research.*—Opportunities for research are offered to properly qualified students. Hours and credit by arrangement.

24. **BACTERIOLOGY.**—The course in Bacteriology consists of lectures and laboratory work. Emphasis is placed upon the aspects of bacteriology and immunology that are directly pertinent to an understanding of the etiology and pathogenesis of infectious disease and its practical bacteriological diagnosis. The fundamental principles of bacteriology are illustrated by applying them to the practical study of infectious material from patients in the University Hospital. During the course, the student receives considerable first-hand training in the more important bacteriological methods used in the examination of clinical material.

Through the cooperation of the Department of Preventive Medicine, lectures on the public health aspects of representative infectious diseases are given as a part of the course, with a view of correlating the bacteriological studies of the specific organisms with the epidemiological principles involved in the control of the communicable diseases. Sixteen hours of lectures and laboratory work a week during the first trimester of the second year. Dr. Avery, Dr. Buddingh and Staff.

25. **IMMUNOLOGY.**—The course in Immunology consists of lectures and demonstrations. The fundamental principles of immunology are represented upon a theoretical basis. The importance of these principles is illustrated by a consideration of their practical application to the problems of resistance to infection and seriological methods of diagnosis. Emphasis is placed upon the specific biological products used in the prevention and treatment of certain infectious diseases. Two hours a week during the second trimester of the fourth year. Dr. Avery, Dr. Buddingh and Staff.

26. *Advanced Medical Bacteriology and Immunology.*—This course includes advanced training in special methods used in the study of problems of immediate relation to infectious diseases. Hours and credit by arrangement. Dr. Avery, Dr. Buddingh and Staff.

27. *Microbiology*.—This course consists of a study of various phases of the mechanism of bacterial metabolism; bacterial enzymes and influence of different environmental factors upon bacterial growth. Hours and credit by arrangement. Dr. Avery.

28. *Advanced Work on the General Principles of Immunology*.—This course differs from Course 26 in that it consists of studies related to the fundamental principles of immunology, rather than to the immediate application of immunology to medicine. Hours and credit by arrangement. Dr. Avery and Staff.

PHARMACOLOGY

Professor LAMSON; Associate Professor ROBBINS; Assistant Professors BUTLER, BUSH; Research Associate GREER; Research Assistants DICKISON, BEAUCHAMP, GOVIER, GOTH, HALL.

21. PHARMACOLOGY.—The course in Pharmacology consists of a series of lectures in which the reaction of the human organism to chemical substances is taken up in a systematic manner, and typical reactions demonstrated by animal experiments. Laboratory exercises are given in which the student has an opportunity to become familiar with pharmacological technic. Four lectures and seven hours of laboratory work a week during the second trimester of the second year. Dr. Lamson and Staff.

22. *Research*.—Opportunities for research are offered to those properly qualified who wish to carry out investigations and have sufficient time for such work. Hours and credit by arrangement. Dr. Lamson and Staff.

PREVENTIVE MEDICINE AND PUBLIC HEALTH

Professor LEATHERS; Associate Professor KELLER; Assistant Professors MORTON, WILLIAMS, BISHOP, DENSEN, FRYE, WHEELER, Lecturer VAUGHN; Instructors BLACK, GASS, HUTCHESON, LENTZ, RANSMEIER; Assistants BOWERMAN, ERWIN, GALLOWAY, OVERTON, PARKER, PETERSON, SCHMIDT.

Courses of instruction for undergraduates are provided in medical statistics, parasitic diseases, preventive medicine and public health practice, and elective work in biostatistics.

1. MEDICAL STATISTICS. This course is designed to acquaint the student with the elements of statistical reasoning and their application

to medical problems. Lectures consider methods of collection, tabulation and presentation of data. Errors to be avoided in interpreting such data are pointed out. Consideration is given to the elementary treatment of sampling variation and analysis of frequency distributions. The student is given an opportunity in the laboratory to apply the principles developed in the classroom discussions.

This course is given three hours each week, Thursday afternoon, during the first trimester of the second year. Dr. Densen, Dr. Wheeler and Dr. Ransmeier.

A series of seven lectures is provided by members of the department on the epidemiology and administrative public health aspects of selected infectious diseases in correlation with the course in bacteriology in the Department of Pathology.

2. PARASITIC DISEASES: DIAGNOSTIC LABORATORY METHODS, CLINICAL ASPECTS AND CONTROL MEASURES. A course of lectures, demonstrations and laboratory exercises in which the animal parasites of man, their vectors and the diseases which they produce are studied. The biological activities of parasites are emphasized. Patients and case histories are used wherever possible; methods of treatment may be discussed, and prevention and control are stressed.

Five hours a week during the third trimester of the second year. Dr. Frye, Dr. Keller and Dr. Ransmeier.

Joint clinics may be held in conjunction with the Department of Medicine for the purpose of integrating the teaching of preventive and clinical medicine. These clinics have not been provided in formal schedule but may be held when patients are admitted to the Hospital suffering from such conditions as typhoid fever, malaria, undulant fever, endemic typhus fever, tularemia and lead poisoning.

One-half of the fourth-year students may elect work in the syphilis clinic which covers a period of about six weeks. In addition to diagnostic and treatment procedures students are required to do field work on the epidemiology of patients treated in the clinic.

3. PREVENTIVE MEDICINE: PRINCIPLES OF PUBLIC HEALTH AND EPIDEMIOLOGY. A course of lectures intended to provide the student with the preventive point of view in the practice of medicine and also to acquaint him with the organized forces working for the advancement of public health.

The following subjects are among those considered: etiology, modes of transmission and methods of prevention and control of communicable diseases; biostatistics; maternal and infant hygiene; the

venereal disease problem; the more common occupational diseases; the deficiency diseases; school hygiene; principles of housing; water supplies and sewage disposal. Stress is placed upon the principles involved in public health administrative practice in relation to the practitioner of medicine.

Field demonstrations are provided for observation and instruction concerning public health practice by the state and local health agencies.

Members of the class are required to make epidemiological studies of patients who have been admitted to the Hospital. Two students are assigned to a patient and an investigation is made of the patient's family and of the factors which may have been responsible for the patient's illness.

Two lecture hours and one afternoon (three hours) each week during the first and second trimesters of the fourth year. Dr. Leathers, Dr. Keller, Mr. Morton, Dr. Wheeler and Staff.

4. *Elective Course in Biostatistics.* The lectures and laboratory exercises are designed to supplement the material presented in the course in medical statistics with additional applications to specific medical problems, particularly those which arise in research work. It includes a discussion of discrete and continuous distributions of a single variable, methods of dealing with relationships between variables and further consideration of sampling theory. The problems chosen for discussion will be determined in considerable measure by the interests and needs of the students.

The number admitted to the course will be limited. Hours and credit by arrangement. Dr. Densen.

5. *Elective Work.* The participation of a few selected fourth-year students will be welcomed in investigative work carried on by members of the Department. Hours and credits to be arranged.

6. GRADUATE AND POSTGRADUATE COURSES IN PUBLIC HEALTH LEADING TO THE DEGREE OF MASTER OF PUBLIC HEALTH. The graduate course for the session 1941-1942 will consist only of the first semester of the regular course for the degree. Those who complete this semester will be given credit on the one year required for the degree. The intramural instruction will be given during the first trimester of the regular session. The required field work will be done during the month of January. Intramural instruction will include the subjects of public health administration, biostatistics, epidemiology, communicable diseases, sanitation, and a brief course in laboratory diagnostic methods. The field work may be taken, if necessary, in

Tennessee but preferably in the state from which the student registers. This will be determined on the basis of the facilities afforded for field experience.

Prerequisites consist of the medical or dental degree from an approved school. The number admitted to the course will be limited.

A two-months' postgraduate course may be given during the second semester if the number of applicants is sufficient.

A special supplementary bulletin will be mailed upon request.

MEDICINE

Professors MORGAN, WITT; Associate Professors YOUMANS, KAMPMEIER, BRYAN, CATE, DERIVAUX, JOHNSON, MANIER, WITHERSPON; Assistant Professors HARVEY, JONES, RIVEN, STRAYHORN, WEINSTEIN; Instructors BILLINGS, KENNEDY, PATTON, FRIST, HAILEY, PENNINGTON, THOMAS; Assistants ALFORD, BRAUMS, CROWE, CRUTCHER, FRYE, HORSTMAN, JAGER, MANN, OWENS, PYLE, READ, SCHULL, SIKES, STERN, TOWERY; Research Associate MASON; Research Assistant HENNING.

1. CLINICAL PATHOLOGY.—A series of lectures and laboratory exercises in the microscopic and chemical methods used in the diagnosis of disease. Students are trained in the technique of examining urine, blood, sputum, gastric contents, feces, and "puncture fluids." The interpretation of laboratory data is discussed. Seven hours a week during the second trimester of the second year. Dr. Jones.

2. CLINICAL LECTURES AND DEMONSTRATIONS.—Topics are taken up in correlation with other courses being pursued simultaneously. Certain phases of clinical physiology are illustrated. One hour a week during the third trimester of the second year. Dr. Harvey.

3. PHYSICAL DIAGNOSIS.—Lectures, demonstrations and practical exercises designed to introduce the students to the methods used in examining patients and to the interpretation of the data obtained by inspection, palpation, percussion and auscultation. The students are divided into groups for the purpose of examining each other and selected patients. Ten hours of lectures, demonstrations and practical work a week during the third trimester of the second year. Dr. Youmans, Dr. Kampmeier and Staff.

4. WARD WORK.—One-third of the third-year class is assigned to the medical wards during one trimester. Bedside instruction is given each morning from 8:30 to 9:30 o'clock by various members of

the staff. At other times students study the cases assigned to them and compile some of the data required for an understanding of the cases, under the direction of members of the staff. A weekly seminar is also held. Approximately 20 hours a week during one trimester. Dr. Morgan, Dr. Youmans, Dr. Strayhorn, Dr. Weinstein, Dr. Harvey, Dr. Luton and Staff.

5. CLINICAL LECTURES AND DEMONSTRATIONS.—A series of clinical lectures and demonstrations for the purpose of bringing before the third-year class patients illustrating usual and important diseases. One hour a week during the second and third trimesters of the third year. Dr. Witt, Dr. Bryan, Dr. Manier, Dr. Cate, Dr. Strayhorn, Dr. Weinstein, Dr. Jones, Dr. Witherspoon, Dr. Harvey.

6. THERAPEUTICS.—Lectures and demonstrations, illustrating the general care of patients, dietetic treatment, and such therapeutic procedures as venesection, pleural aspiration and lumbar puncture. The therapeutic use of various drugs and methods of prescription and administration are discussed and illustrated by the use of patients. Two hours a week during the third trimester of the fourth year. Dr. Harvey.

7-A. MEDICAL OUT-PATIENT SERVICE.—One-sixth of the students of the fourth-year class are assigned during half of one trimester to the medical out-patient service. Cases are assigned to the students who record the histories, conduct the physical examinations and perform the simpler laboratory tests. Their work is reviewed by members of the staff, who act as consultants, see that all patients receive any needed consultations from other departments, and direct the management of the cases. Two students from the subgroup on General Medicine will be assigned to the City Hospital on each of four days a week and the entire group will make rounds there one day. Twelve hours a week during half of one trimester of the fourth year. Dr. Youmans, Dr. Kampmeier and Staff.

7-B. MEDICAL OUT-PATIENT SERVICE.—Members of the fourth-year class are assigned for half of one trimester to special clinics in the medical out-patient service where they observe methods of dealing with metabolic and allergic and thoracic diseases. Six hours a week during half of one trimester of the fourth year. Dr. Derivaux, Dr. Johnson, Dr. Pennington, Dr. Thomas, and Dr. Weinstein.

8. CLINICAL LECTURES AND DEMONSTRATIONS.—Patients are selected from the medical wards and out-patient service. The patients are presented by the students to whom they have been assigned and the diagnosis and treatment of the cases are discussed with members

of the third and fourth-year classes. One or two hours a week throughout the third and fourth years. Dr. Morgan, Dr. Witt and Staff.

9. *Special Elective Courses.*—A limited number of students of the third and fourth years may be accepted for special elective work each trimester in the various laboratories of the department and in the medical wards and out-patient service of the hospital. Hours and credit by arrangement. Dr. Morgan and Staff.

10. *Elective Course in Syphilis.*—The diagnosis and treatment of this disease is provided for in a special clinic in the department of medicine. Each case is carefully studied prior to the institution of treatment. The students take an important part in the diagnostic and therapeutic activities of the clinic. Limited to 8 students in each trimester. Six hours per week throughout the fourth year. Dr. Kampmeier and Dr. Jones.

Neurology and Psychiatry

Professor HARRIS; Associate Professors LUTON, MAHONEY; Instructor GILBERT; Assistant ORR.

1. **PSYCHOBIOLOGY.**—The course is given to furnish a basis for the study of psychiatry. Each student makes an exhaustive study of his own personality and learns by his own reactions to recognize more clearly the meanings of behavior as seen in his patients. An attempt is made to inject a sense of the need for keeping in mind the influence of personality and experience on the patient's behavior, and for thinking in terms of total reactions rather than in part. An opportunity is given for the student to become familiar with the methods and descriptive terms used in the study of behavior. Eleven lectures during the first semester of the first year. Dr. Luton.

2. **PSYCHIATRY.**—The subject is presented in a series of lectures in which the commoner psychoses, the psycho-neuroses, and the personality reactions associated with physical disease are discussed. Clinical material is used for illustration of the many psychiatric problems that occur in a general hospital ward. The principles of prevention as applied to mental disease are emphasized. One hour a week during the second and third trimesters of the third year. Dr. Luton.

3. **NEUROLOGY.**—Lectures and demonstrations are held in which the commoner neurological conditions are discussed from the point

of view of diagnosis and treatment. One hour a week during the first and third trimesters of the third year. Dr. Harris and Dr. Mahoney.

4. **CLINICAL NEUROLOGY AND PSYCHIATRY.**—One-sixth of the fourth-year class is assigned to the neurological out-patient service during part of each trimester. Here they are taught the special methods of examination required in the study of neurological and psychiatric patients, and are given instruction in the diagnosis and management of neurological and psychiatric conditions. Four hours a week during half of one trimester of the fourth year. Dr. Harris, Dr. Mahoney, Dr. Luton, Dr. Gilbert, Dr. Orr and Staff.

5. **CLINICAL DEMONSTRATIONS IN PSYCHIATRY.**—Clinical lectures and demonstrations are held at the Tennessee Central State Hospital for the Insane. Patients showing the types of psychiatric diseases which are more frequently met with by the practitioner of medicine are demonstrated and discussed. Three hours a week during the third trimester of the fourth year. Dr. Luton and Staff.

6. *Electives in Neurology.*

a. Clinical neurology at the Nashville General Hospital.

b. Experimental neurology: a study of problems related to the anatomy and physiology of the nervous system.

c. Neuropathology: a study of the special pathology of the nervous system, with its application to clinical problems. Hours and credit by arrangement. Dr. Mahoney.

Dermatology

Professor KING; Associate Professor HAMILTON; Assistant Professor LANIER; Instructor DAVIS; Assistant BUCHANAN.

1. **DERMATOLOGY.**—A course of eleven lectures and demonstrations covering the various groups of skin diseases and some of the dermatological manifestations of general disease. One hour a week during the first trimester of the fourth year. Dr. King.

2. **CLINICAL DERMATOLOGY.**—One-sixth of the fourth-year class is assigned to the dermatological clinic during part of one trimester, where they have practice in the diagnosis and treatment of the diseases of the skin under the supervision of the staff. Two hours a week during half of one trimester of the fourth year. Dr. Hamilton.

PEDIATRICS

Professors CASPARIS, WILSON, BLOOMSTEIN; Associate Professors DODD, LEE, MINOT; Assistant Professors PETERSON, BRADLEY, OVERALL, VAUGHAN; Instructors BLUMBERG, BINNS, ELLIOTT, SAUBERLI, STRAYHORN; Assistants BRIDGES, LOWENSTEIN, LEVINSON, LOVE, WEAVER.

1. LECTURES AND DEMONSTRATIONS.—The prenatal period, the new-born child, mental and physical growth and development, the nutrition of infants and children, and the prevention of the abnormal are discussed. Especial attention is given to the normal child as a basis for the study of the abnormal, or diseases of children. One hour a week during the first trimester of the third year. Dr. Casparis.

2. WARD WORK.—One-sixth of the third-year class is assigned to the pediatric wards during one-half of each trimester. Bedside instruction is given and patients are studied, emphasis being laid on the structure and function of the normal child. Variations from the normal and their prevention are considered. Eighteen hours a week during half of one trimester of the third year. Dr. Casparis, Dr. Dodd, Dr. Peterson and Staff.

3. CLINICAL LECTURES AND DEMONSTRATIONS.—The more important phases of pediatrics, including the acute infectious diseases of childhood, are demonstrated and discussed. Patients from the wards and from the out-patient service are presented. Two hours a week during the first and second trimesters and one hour a week during the third trimester of the fourth year. Dr. Casparis, Dr. Wilson and Staff.

4. PEDIATRIC OUT-PATIENT SERVICE.—One-sixth of the fourth-year class is assigned to the pediatric out-patient service during one-half of a trimester. Patients are assigned to students, who record histories, make physical examinations and carry out diagnostic procedures. Diagnosis and treatment are considered with members of the staff. Twelve hours a week during half of one trimester of the fourth year. Dr. Dodd, Dr. Peterson and Staff.

5. *Elective work* in the laboratories, wards and dispensary of the department is offered to small groups of students of the fourth year during each trimester. Hours and credit by arrangement. Dr. Casparis, Dr. Dodd and Dr. Minot.

SURGERY

Professors BROOKS, BARR; Associate Professors DOUGLAS, JOHNSON, PILCHER, EDWARDS, EVE, LARSEN, MCKINNEY; Assistant Professors GRIZZARD, PICKENS, DANIEL, SHOFNER, SHOULDERS; Instructors, BILBRO, CARNEY, CORE, CRUTCHER, DAVIS, HERBERT, KIRBY-SMITH, KIRTLEY, PARKER, RIPPY, ROSENFELD, SMITH, TRABUE, WEINSTEIN, ZERFOSS; Assistants ANGELUCCI, BENZ, BUCHHOLZ, COOPER, COX, CRUTCHFIELD, LIGHT, MEACHAM, McMURRAY, McSWAIN, MARTIN, MILLER, NELSON, PALM, ROSS, SULLIVAN, THARP.

1. INTRODUCTION TO SURGERY.—The purpose of this course is that it serves as a transition from the fundamental medical sciences to clinical medicine by a reconsideration of those subjects in pathology and physiology most frequently encountered by the student in Surgery 5. Five hours a week during the third trimester of the second year. Dr. Brooks, Dr. Larsen and Dr. Daniel.

2. PHYSICAL DIAGNOSIS IN SURGERY.—The object of this course is to instruct the students in those methods of physical diagnosis particularly referable to surgical diseases. The student is instructed in the methods of physical examination of the abdomen, spine, joints, and deformities. One hour a week during the third trimester of the second year. Dr. Brooks

3. SURGICAL PATHOLOGY.—The object of this course is to teach surgery from the viewpoint of anatomical and physiological pathology. Specimens from the operating room, case histories, laboratory experiments and occasional patients from the wards are used to demonstrate the most frequent surgical diseases. Three hours a week throughout the third year. Dr. Johnson.

4. SURGICAL CLINICS.—The students of the third and fourth-year classes are expected to attend two surgical clinics each week. The subjects considered at these clinics vary with the clinical material available. In so far as it is possible an attempt is made to have the various instructors present well-studied cases illustrating surgical conditions with which the instructor is particularly familiar. Two hours a week throughout the third and fourth years. Dr. Brooks.

5. SURGICAL WARDS.—For one trimester one-third of the third-year students serve as assistants in the surgical wards of the Vanderbilt University Hospital from 8:30 to 11:30 a. m. daily. The students,

under the direction of the staff, make the records of the histories, physical examinations and the usual laboratory tests. Ward rounds are made daily by various members of the surgical staff at which times the ward cases are discussed with the students. The students may be present in the operating rooms at such times as their required work permits. When possible the student is permitted to assist in a surgical operation which is performed upon a patient assigned to him in the ward. Approximately twenty hours a week during one trimester of the third year. Dr. Brooks and Staff.

6. SURGICAL OUT-PATIENT SERVICE.—For one trimester the students of the fourth-year class serve daily as assistants in the out-clinics of general surgery, orthopedic surgery and genito-urinary surgery. They make the record of the histories, physical examination and laboratory tests of the patients attending the out-clinic and assist in the dressings and in minor operations. Various members of the surgical staff are in constant attendance to instruct the students in their work and to discuss with them the diagnosis and treatment of the out-clinic patients. In the out-clinics of orthopedic surgery and urology the students receive instruction in the particular methods of diagnosis and treatment used by these special branches of surgery. Twelve hours a week throughout one trimester of the fourth year, in groups. Dr. Johnson and Staff.

7. FRACTURES.—During the fourth year one hour each week is given to the instruction of the entire fourth-year class in the diagnosis and treatment of fractures. Both hospital and dispensary patients are used in this course and some additional instruction may be given at other hospitals. One hour a week during the first trimester of the fourth year. Dr. Eve.

Elective Courses in Surgery for Fourth-Year Students. Throughout the year an opportunity is given for the students of the fourth-year class to devote themselves to the study of certain special problems in surgery. The various courses offered are entirely optional and the number of students admitted to any particular course is determined by the instructor responsible for it. The nature of the courses offered is determined by the desire of certain instructors to give special training in the particular subjects in which they are interested. In some of the courses the students are permitted to select the character of the work to be done.

8. *Operative Surgery*.—In this course instruction is given in the technique of certain more or less standard operative procedures. Particular attention is given to the making and closing of incisions. Instruction is also given in the use of various anesthetic agents. Two hours a week during the first trimester. Dr. Daniel.

9. *Blood Transfusion*.—In this course instruction is given in the technique of blood grouping and the various methods of blood transfusion. The effects of hemorrhage, dehydration and increased intracranial pressure are also studied experimentally. Two hours a week during the second trimester. Dr. Douglas.

10. *Varicose Veins*.—A limited number of students may receive instruction in the treatment of varicose veins in the out-patient service, one afternoon each week. Two hours a week throughout the year. Dr. Johnson.

11. *Neurological Surgery*.—This course is a general and informal consideration of the basic principles involved in the problems of neurological surgery. In discussions, laboratory demonstrations, clinical presentations and experimental operations, the following phases of the subject are considered: historic background, principles of diagnosis, therapeutic methods, surgical neuropathology. Two hours a week during the second trimester of the fourth year. Dr. Pilcher.

12. *Surgical Pathology*.—In this course opportunity is given to a limited number of students to study the material which has been accumulated in the surgical pathological laboratory. The material to be studied is selected by the student under the direction of the instructor. Two hours a week during the third trimester. Dr. Johnson.

13. *Research*.—Throughout the year an opportunity is given for students to do investigative work in such subjects as are suitable for the limited time available. Three hours a week throughout the year. Dr. Brooks.

Ophthalmology

Professor SULLIVAN; Associate Professor SMITH; Assistant Professor ZERFOSS; Instructor HOLLABAUGH.

1. *OPHTHALMOLOGY*.—A course of lectures is given on the more common diseases and injuries of the eye and the various causes of disturbed vision. The physiology and anatomy of the eye are briefly reviewed. One hour a week during the second and third trimesters of the fourth year. Dr. Smith and Staff.

Otolaryngology

Professors CULLOM, KENNON; Associate Professor MANESS; Assistant Professor ORR; Instructors PRESTON, ROBERTS; Assistants ANDERSON, CALDWELL, HOLLABAUGH, WILKERSON.

2. OTOLARYNGOLOGY.—A course of lectures is given in which the diseases of the ear, nose and throat are briefly discussed and the methods of treatment are described. One hour a week during the first trimester of the fourth year. Dr. Kennon and Dr. Maness.

3. CLINICAL OPHTHALMOLOGY AND OTOLARYNGOLOGY.—Groups consisting of one-sixth of the fourth-year class are assigned to clinical work in the out-patient service, where they have an opportunity to examine patients, to practice the simpler forms of treatment, to witness and to assist in operations, and to participate in the post-operative care of patients. Eight hours a week during one-half of one trimester. Dr. Smith and Dr. Maness.

Urology

Associate Professors BARKSDALE, WRIGHT; Assistant Professor DOUGLASS; Instructors GAYDEN, PENNINGTON; Assistants GAYDEN, MOULDER.

1. UROLOGY.—A course of lectures and recitations is given covering the more important aspects of urology. One hour a week during the second and third trimesters of the fourth year. Dr. Barksdale and Dr. Wright.

2. CLINICAL INSTRUCTION.—Students receive clinical instruction in urology during the third year in the wards and during the fourth year in the Out-Patient Department. This instruction is given by the members of the urological staff at formal ward rounds on alternate Thursdays and by the students serving as clinical clerks in both the wards and the Out-Patient Department. The time given to this instruction is included in that assigned to Surgery 5 and Surgery 6. Dr. Barksdale and Staff.

Orthopedic Surgery

Professor BILLINGTON; Associate Professor REGEN; Assistant Professors BROWN, CARPENTER; Instructor ASHBY.

1. ORTHOPEDIC SURGERY.—A course of lectures and recitations in which the more important parts of orthopedic surgery are discussed is given. One hour a week during the first trimester of the fourth year. Dr. Billington.

2. **CLINICAL INSTRUCTION.**—Students receive clinical instruction in orthopedic surgery during the third year in the wards and during the fourth year in the Out-Patient Department. This instruction is given by the members of the orthopedic surgery staff at formal ward rounds on alternate Thursdays and by the students serving as clinical clerks in both the wards and the Out-Patient Department. The time given to this instruction is included in that assigned to Surgery 5 and Surgery 6. Dr. Regen and Staff.

Dental Surgery

Professor OLIVER; Associate Professors MORGAN, FAUGHT; Assistant Professors GRAY, HALL; Assistants CAROTHERS, GARVIN, JONES, NEAL.

Although there are no formal lectures or recitations in dental surgery, the students of the fourth-year class have abundant opportunity to become familiar with diseases of the teeth and gums arising in the various clinics of the Out-Patient Service. The division of dental surgery conducts a clinic two days each week, to which patients suffering from diseases of the teeth or gums are referred for examination and treatment. Approximately 1,500 patients annually are referred to this clinic for examination and treatment. The staff of the division of dental surgery also assist in the treatment of fractures and tumors of the jaw.

RADIOLOGY

Associate Professor McCLURE; Assistant Professor FRANCIS; Consulting Physicist OMBERG; Instructor DOUGALL; Assistant MAYES.

1. *Roentgenology.*—This course is offered to afford students instruction in the roentgenological interpretation of: first, normal roentgenograms, and second, more common diseases, and is given as a series of demonstrations and discussions of selected cases. Students are advised to take Roentgenology 1 as a prerequisite to Radiology 2. Two hours each week throughout the year for third-year students, one-third of class each trimester. Dr. Francis.

2. **RADIOLOGY.**—A series of lectures will be given on physics, methods, and clinical uses of radium and roentgen rays in the diagnosis and treatment of diseases, and on their underlying principles. One hour a week during the third trimester of the fourth year. Dr. McClure and Staff.

3. *Roentgen Diagnosis*.—One-sixth of the fourth-year class will receive instruction in X-ray interpretation of routine ward and dispensary cases over a period of six weeks.

This course offers more advanced work in roentgen diagnosis, and should be preceded by Roentgenology 1. Fourth-year students. Hours and credits by arrangement. Dr. McClure and Staff.

4. *X-ray Technique*.—Instruction in the principles underlying roentgen technique will be given as a series of discussions and demonstrations. Two hours each week to a limited number of fourth-year students, by special arrangement. Dr. McClure and Staff.

5. *Research in Radiology*.—Facilities for research will be provided to adequately prepared students. Hours and credits by arrangement. Dr. McClure and Staff.

6. *Normal X-ray Anatomy*.—Open to entire second-year class. One hour a week, third trimester. Dr. Francis.

OBSTETRICS AND GYNECOLOGY

Professors BURCH, COWAN; Associate Professors BURCH, ANDERSON, DIXON, LEWIS, TIGERT; Assistant Professors MCCLELLAN, CAYCE, GALLAGHER, GLASGOW, TUCKER; Instructors BRASK, BAYER, COWAN, DUKE, GAYDEN, *SUTHERLAND, SEWARD, TIRRILL, WARNER; Assistants FREUND, KINZEL, PINKSTON, MELLA, ANDERSON, BOWIE, BURRUS, ROBINSON, VAN NESS, WOOD; Research Associate PHELPS.

1. OBSTETRICS.—A series of lectures and discussions covering the field of the physiology and mechanism of normal obstetrics is given in the third trimester of the second year. Labor is demonstrated to the class in the Delivery Rooms of the Hospital and by the use of moving pictures. Two hours a week during the third trimester of the second year. Dr. Lucius E. Burch and Staff.

2. OBSTETRICS.—A series of lectures and discussions on the mechanism and treatment of abnormal labor as well as the pathology of pregnancy is given during the third year. In the general plan of instruction, the lectures on obstetrics are completed during the third year. Two hours a week during first and second trimesters, and one hour a week during the third trimester. Dr. Lucius E. Burch and Staff.

*Leave of absence until March 1, 1942.

3. **CLINICAL OBSTETRICS.**—During one-half of a trimester a small group of students study the patients in the obstetrical wards and out-patient service. They work in the prenatal clinic, practice pelvimetry and are given exercises with the obstetrical manikin.

Students are assigned in pairs to attend patients during confinement in their homes or in the hospital under supervision of instructors. During this period students are required, in pairs, to spend two weeks in residence in the hospital, where they live in quarters assigned to the house staff, and during which time they serve as clinical clerks to the obstetrical patients in the hospital and take part in their delivery under supervision of the staff. All students are required to have assisted in at least twelve deliveries, either in the hospital or in the out-patient service, before graduation.

Approximately eighteen hours a week during half of one trimester of the third year, exclusive of deliveries. Drs. L. E. Burch, J. C. Burch, S. C. Cowan, G. S. McClellan and W. B. Anderson.

4. **CLINICAL OBSTETRICS AND GYNECOLOGY.**—A course of clinical lectures and demonstrations on the obstetrical and gynecological material of the hospital will be given to third and fourth-year students. One hour a week during third trimester of third year and one hour a week during three trimesters of fourth year. Dr. Lucius E. Burch and Staff.

5. **GYNECOLOGY.**—A course of lectures, recitations and assigned reading will be given to fourth-year students. In this course the more important topics of gynecology are covered. One hour a week during the second and third trimesters of the fourth year. Drs. L. E. Burch, J. C. Burch, H. M. Tigert and W. C. Dixon.

6. **CLINICAL GYNECOLOGY.**—Fourth-year students are assigned to gynecology in small groups. They attend daily the out-patient service, study the patients in the wards, and attend or assist at the operations. Special emphasis is placed on the study of gynecological diagnosis, and an attempt is made to train the student in that part of the subject with which the practitioner of medicine should be familiar. Fifteen hours a week during one-half of a trimester of the fourth year. Drs. L. E. Burch, J. C. Burch and G. S. McClellan.

7. **OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY.**—A series of laboratory exercises, in which the gross and microscopic characteristics of the more important obstetrical and gynecological conditions

are demonstrated, is given during the fourth year. Four hours a week during one-half trimester of the fourth year. Dr. John C. Burch and Staff.

8. *Elective Course*.—Opportunity for the investigation of special gynecological and obstetrical problems is offered to two students each trimester. Hours and credit by arrangement. Dr. John C. Burch.

MEDICAL JURISPRUDENCE

HOLLAND M. TIGERT, *Lecturer in Medical Jurisprudence*.

MEDICAL JURISPRUDENCE.—This course includes medical evidence and testimony; expert testimony; rights of medical witnesses; dying declarations; medicolegal post mortem examinations; criminal acts determined by medical knowledge; malpractice and the legal relation of physicians to patients and the public. Some consideration is also given to the state law in its relation to public health operations. One hour a week during the third trimester of the fourth year. Dr. Tigert.

MILITARY SCIENCE AND TACTICS

CHARLES A. BELL, M.D., LT. COL. M. C., U. S. A., *Professor of Military Science and Tactics*.

Elective courses in Military Science and Tactics are offered, consisting of a basic course running through the first and second years, and an advanced course given during the third and fourth years. The basic course, consisting of a minimum of thirty-nine lectures a year is devoted to the theoretic study of medico-military subjects. After its completion, students are eligible for the advanced course which includes, besides at least thirty-nine hours a year, during the third and fourth years, a six weeks' term in a summer camp where a practical study of medico-military subjects is pursued.

Students taking the advanced course are paid the value of army rations during the pursuance of the course, including the summer vacation, with the exception of the time spent in camp. This amounts to approximately \$9.00 a month. During the summer encampment, which can be taken during the second or third years, the student is allowed transportation to and from the camp. While at the camp he receives his quarters, rations, clothing and medical attention. In

addition he receives \$21.00 a month. Upon the completion of the advanced course students are eligible for appointment in the Medical Corps of the Organized Reserve of the Army of the United States in the Grade of First Lieutenant. While the course in Military Science and Tactics is elective, a student once enrolled in the basic course must complete the basic course, but may again elect to enter the advanced course. A student entering the advanced course must complete the course as a prerequisite to graduation.

The courses of the four years are as follows:

1. This course is intended to familiarize the student with the fundamentals of military science as related to the medical department. One hour a week throughout the first year.

2. The purpose of this course is to give the student sufficient knowledge of the theory of medical tactics so that he may complete the training in the subject by practical work in the camp. One hour a week throughout the second year.

3. This course constitutes the first half of the advanced course, and its purpose is to train the student in the essentials of military hygiene and sanitation by theory subsequent to the practical training given in camp in these subjects. One hour a week throughout the third year.

4. This course offers training in medico-military administration with special reference to hospitals, hospitalization, gas defense, and surgical and medical diseases peculiar to war. One hour a week throughout the fourth year. Lt. Col. Bell.

POSTGRADUATE COURSES

JOHN B. YOUMANS, *Director*

The following postgraduate courses will be offered during the year 1941-1942. Admission will be restricted to graduates in Medicine except in certain courses in Syphilis. Those who wish further information regarding these courses should address the Registrar of the Medical School.

PREVENTIVE MEDICINE AND PUBLIC HEALTH

Graduate and Postgraduate Courses for Health Officers.—Refer to medical bulletin for description of course, page 54.

THE COMMONWEALTH FUND FELLOWSHIPS FOR COURSES IN MEDICINE, SURGERY, PEDIATRICS, AND OBSTETRICS AND GYNECOLOGY

These courses which are designed primarily for holders of Commonwealth Fund Fellowships are open to a limited number of non-fellows on the payment of the necessary fees and compliance with other requirements for the courses. These courses are of one month's duration and are given during the summer. Courses in Medicine and Surgery are given concurrently during the first month and Pediatrics and Obstetrics and Gynecology during the second month. The courses consist largely of practical work on the wards and in the Out-Patient Department supplemented by ward rounds, informal discussions, seminars, conferences, et cetera, with a minimum of didactic teaching. The aim is to present the newer methods of diagnosis and treatment with particular reference to general practice. Further information may be obtained by writing to the Registrar of the Medical School.

COURSES IN SYPHILIS

SYPHILIS-MEDICINE 12. *For County Health Officers and Physicians with Appointment in Public Health Units.*

This course is open to county health officers and physicians with appointments in public health units. It is designed to familiarize the health officer with all aspects of the syphilis problem. It offers him the opportunity of studying the individual patient, history taking, physical examination, darkfield and lumbar puncture procedures, and treatment.

The student attends each clinic session for a period of 4 weeks and assists in the conduct of the clinic. A series of lectures early in the course is given to review the clinical and epidemiological aspects of syphilis. The remainder of the time is devoted to field work, under the direction of the epidemiologist. Several such courses are given from September to April inclusive. Each course is limited to six physicians.

For further details and dates of individual courses address the Registrar. No tuition fee.

SYPHILIS-MEDICINE 13. Postgraduate Course in Syphilis.

This course is open to properly qualified physicians wishing to secure special training in syphilis. It is designed to offer training fitting the student for positions of responsibility in syphilis control work.

The physician is expected to take his place as one of the staff of the clinic, to examine and treat his patients, assuming responsibility for them. Opportunity for thorough training is offered in the conduct of a syphilis clinic, the diagnosis of the disease, including darkfield and lumbar puncture procedures and in treatment. Epidemiological field work is to be done under the direction of the epidemiologist of the syphilis clinic.

Physicians will be accepted for such work for a period of six to twelve months, dependent upon the needs of the individual physician. Further details may be obtained by writing the Registrar. No tuition fee.

SYPHILIS A. For Social Service Workers and Nurses with Social Service Training.

This course is open to social service workers or persons with social service training. It is designed to give special training in syphilis to such candidates. During a period of two months they will act as assistants to the social workers of the syphilis clinic. The course is limited to two applicants. Further details may be obtained by writing the Registrar. No tuition fee.

SYPHILIS B. Demonstration in Syphilis Clinic Management for Physicians and Nurses.

This course is open to physicians and registered nurses. It is designed to give an opportunity to physicians and nurses to observe the management of patients and clinic procedures for a period of two weeks at intervals during the year. Several such courses are

given from September to April inclusive. No more than three physicians and two nurses will be accepted during each period. Further details may be obtained by writing the Registrar. No tuition fee.

SHORT INTENSIVE COURSES IN CLINICAL SUBJECTS

It is the policy of the school to offer short intensive courses in clinical subjects during the summer when there is a sufficient demand for them.

SPECIAL COURSES

Courses in individual departments are made available by special arrangement. These courses are under the direction of the Dean and the head of the department concerned. Inquiries should be addressed to the Registrar of the Medical School unless otherwise indicated by correspondence.

FEEES

Fees for special and intensive courses are decided by the Dean in cooperation with the head of the department in which the instruction is provided.

If a postgraduate student registers for the full academic year, the tuition fee is \$450, one-half of which is paid at the beginning of the session and the other half on or before February 1.

Postgraduate work covering a full academic year can be taken only with the approval of the head of the department concerned and the Dean.

The fees for postgraduate instruction in clinical medicine in cooperation with the Commonwealth Fund have been fixed and the students are notified prior to registration. These fees are paid by the Commonwealth Fund.

REGISTER OF STUDENTS 1940-1941

The members of the fourth-year class, as listed below, received the degree of Doctor of Medicine on June 11, 1941.

BAIRD, JOSEPH JAY.....	La Follette, Tennessee
B.S., Carson-Newman College, 1935	
BAXTER, JAMES HUBERT.....	Ashburn, Georgia
B.S., University of Georgia, 1936	
BRYAN, JOHN THOMAS.....	McMinnville, Tennessee
B.A., Maryville College, 1937	
BYRD, BENJAMIN FRANKLIN, JR.....	Nashville, Tennessee
B.A., Vanderbilt University, 1938	
CAYCE, WILLIAM.....	Nashville, Tennessee
B.A., Vanderbilt University, 1938	
COGBILL, CHARLES LIPSCOMB.....	La Grange, Tennessee
B.A., Vanderbilt University, 1938	
CRAMPTON, JOSEPH HAMILTON.....	Lewiston, Idaho
B.S., University of Idaho, 1938	
CULBERTSON, WILLIAM RICHARDSON, JR.....	Coeburn, Virginia
B.A., Transylvania College, 1937	
CUMMINS, SAMUEL DEMONTFORD.....	Reform, Alabama
B.A., University of Alabama, 1935	
DANIEL, WILLIAM THOMAS.....	Franklin, Tennessee
B.A., Vanderbilt University, 1937	
DAVIS, DAVID AUSMUS.....	Springfield, Tennessee
B.A., Vanderbilt University, 1938	
DE VLAMING, WILLIAM.....	Kaufman, Texas
B.A., Texas Christian University, 1937	
DIVELEY, WALTER LOWELL.....	Garber, Oklahoma
B.S., Oklahoma A. & M. College, 1937	
ELLENBURG, LUKE LAMAR.....	Greeneville, Tennessee
B.A., Tusculum College, 1937	
FOLK, BENJAMIN PERRY, JR.....	Tallulah, Louisiana
B.A., Vanderbilt University, 1938	
FOOTE, ROBERT MILLER.....	Fargo, North Dakota
B.A., Vanderbilt University, 1937	
GREENE, RALPH NELSON, JR.....	Coral Gables, Florida
B.A., Vanderbilt University, 1938	
GROSSMAN, LAURENCE A.....	Nashville, Tennessee
B.A., Vanderbilt University, 1938	
HESLINGTON, HURSTON FARRAR.....	Birmingham, Alabama
B.A., Birmingham-Southern College, 1934	
HILSENBECK, JOHN ROBERT.....	Jenkins, Kentucky
B.S., Milligan College, 1937	
HILSMAN, JOE HAMILTON, JR.....	Atlanta, Georgia
B.S., University of Georgia, 1937	
HOLBROOK, THOMAS JEFFERSON.....	Redbush, Kentucky
B.S., University of Kentucky, 1937	
KINGSBORO, WILSON SCHWAB.....	Shelby, Ohio
B.A., Vanderbilt University, 1938	
LACY, GEORGE EDWARD.....	Elizabethton, Tennessee
B.S., Milligan College, 1936	

- LECKY, JOHN D.....Calvert City, Kentucky
B.S., West Ky. State Teachers College, 1937
- LUCKEY, CARL FREEMAN.....Jackson, Tennessee
B.A., Union University, 1936
- MCLELLAN, MARION SMITH.....Sumner, Mississippi
B.A., University of Mississippi, 1937
- MC SWAIN, GEORGE HOWARD.....Paris, Tennessee
B.A., Vanderbilt University, 1938
- MALONE, JOHN MAYNARD.....Portsmouth, Rhode Island
B.S., Rhode Island State College, 1937
- MATTHEWS, JAMES HARVEY.....Franklin, Tennessee
B.S., Oklahoma Baptist University, 1937
- MYHR, LAMB BOLTON.....Bellevue, Tennessee
B.A., Vanderbilt University, 1938
- PATRICK, WILLIAM HARVEY.....Washington, North Carolina
B.S., Wake Forest College, 1938
- PIERCE, ROBERT RUSSELL.....Alliance, Ohio
B.S., Mount Union College, 1936
- RABOLD, LEONARD JAMES.....Bowling Green, Kentucky
B.S., Western Ky. State Teachers College, 1938
- REARDON, FREDERICK, JR.....Bowling Green, Kentucky
B.A., Vanderbilt University, 1938
- RHEA, SAMUEL BARCLAY DONALDSON.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- RUSH, WILLETT HOWARD.....Versailles, Kentucky
B.S., University of Kentucky, 1937
- SANDERS, DAN SUMNER, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- SCOTT, JAMES ALBERT.....Jonesville, South Carolina
B.S., Wofford College, 1937
- SCOTT, JESSE FRIEND.....Little Rock, Arkansas
B.A., Vanderbilt University, 1938
- SCULL, ALVIS JOE, JR.....Little Rock, Arkansas
B.A., Vanderbilt University, 1937
- SHAPIRO, JOHN LAWTON.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- SMITH, JAMES BARRY.....Magee, Mississippi
B.A., University of Mississippi, 1936
- STEVENS, FRANK WILSON.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- STONE, THOMAS BENTLEY.....Hickman, Kentucky
B.A., Vanderbilt University, 1938
- SUMPTER, WILLIAM DAVID, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- TROUSDALE, PRESTON SIMPSON.....Florence, Alabama
B.A., Vanderbilt University, 1938
- VIEHMAN, ARTHUR JOHN.....Huntington, West Virginia
B.A., Marshall College, 1935
- WALLACE, DEANE DEVERE.....Norwich, Kansas
B.S., Oklahoma A. & M. College, 1937
- WARDER, THOMAS FISHER.....Nashville, Tennessee
B.A., Vanderbilt University, 1936
- WILLIAMS, CAROLINE JANE.....Ramer, Alabama
B.A., University of Alabama, 1937

- WILSON, CHARLES FRANCIS.....Cape Girardeau, Missouri
B.A., State Teachers College, S. E. Missouri, 1937
- WOMACK, FRANK C., JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- ZIRKLE, CHARLES RANKIN.....Kingston, Tennessee
B.A., Tusculum College, 1937

THIRD-YEAR

- ALLEN, JAMES THOMAS.....Boise City, Oklahoma
B.S., Oklahoma Baptist University, 1938
- BATSON, RANDOLPH OSCAR.....Gulfport, Mississippi
B.A., Vanderbilt University, 1938
- BEAVEN, CHARLES WILLIAM.....Richlands, Virginia
B.S., University of North Carolina, 1939
- BINKLEY, BARBARA MAE.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- BYNUM, GUSTAVUS ADOLPHUS.....Laurel, Mississippi
B.A., Mississippi College, 1937
- CARTER, OSCAR WILLIS.....Mars Hill, North Carolina
B.S., Wake Forest College, 1936
- CHENAULT, JOHN MURPHY.....Decatur, Alabama
B.S., University of Alabama, 1938
- CHRISTIAN, RICHARD MORTON.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- COOPER, LAWRENCE EDGEBERT, JR.....Cooter, Missouri
B.A., Vanderbilt University, 1939
- COWDEN, FREDERIC EUGENE.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- DAVIS, ROBERT WENDELL, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- DAVIS, WILLIAM SAMUEL.....Norton, Virginia
B.S., Milligan College, 1938
- DENHAM, RALPH MYERS.....Williamsburg, Kentucky
B.S., University of Kentucky, 1938
- DUNCAN, GEORGE ELLIS.....Russellville, Kentucky
B.S., University of Kentucky, 1939
- FORBES, JAMES SORY.....Hopkinsville, Kentucky
B.S., University of Kentucky, 1939
- GRAHAM, BRUCE DOUGLAS.....Tuscaloosa, Alabama
B.A., University of Alabama, 1939
- HALE, JAMES OSCAR, JR.....Erwin, Tennessee
B.S., Milligan College, 1938
- HALL, JOSEPH CULLEN.....Roseboro, North Carolina
B.S., Wake Forest, 1938
- HALTOM, THOMAS BRANSON.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- HAWES, CECIL JENNINGS.....Conway, South Carolina
B.A., Wofford College, 1936
- HITE, WILLIAM KNOWLES.....Charleston, Illinois
B.A., Vanderbilt University, 1938
- HODGE, GAMEEL BYRON.....Spartanburg, South Carolina
B.S., Wofford College, 1938
- HOPSON, J. LACY.....Cadiz, Kentucky
B.A., University of Kentucky, 1938

- JACKSON, JOHN McREYNOLDS.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- JOHNSTON, WILLIAM LUTKINS.....Birmingham, Alabama
B.A., Vanderbilt University, 1939
- LANIER, JAMES CURETON, JR.....Jacksonville, Florida
B.A., Vanderbilt University, 1939
- LARGE, HIRAM LEE, JR.....Rocky Mount, North Carolina
B.S., University of North Carolina, 1939
- LASSITER, JAMES WATSON.....Huntingdon, Tennessee
B.A., Vanderbilt University, 1939
- LOWE, JERE WHITSON.....Nashville, Tennessee
B.A., Vanderbilt University, 1938
- NOEL, OSCAR FRENCH.....Nashville, Tennessee
B.A., Vanderbilt University, 1935
- PAINE, THOMAS FITE, JR.....Aberdeen, Mississippi
B.A., Vanderbilt University, 1939
- PARSONS, JOHN ROBERT, JR.....Nashville, Tennessee
B.A., Duke University, 1938
- PAYNE, JOSEPH THOMAS.....Nashville, Tennessee
B.A., Westminster College, 1938
- PEYTON, JOHN HOLMES.....Lebanon, Tennessee
B.S., Cumberland University, 1937
- PRESSLY, JAMES BOYCE.....Due West, South Carolina
B.A., Erskine College, 1938
- PROFFITT, JAMES NICHOLAS.....Maryville, Tennessee
B.A., Maryville College, 1938
- ROBERTS, JAMES BRATTON.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- SALLEE, JACK CLINTON.....Lexington, Kentucky
B.A., University of Kentucky, 1938
- SCHWARTZ, IRVING ROTHAM.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- SHIREY, ROBERT WELLS.....Camden, Arkansas
B.A., Vanderbilt University, 1937
- SMITH, STEWART PHILLIP.....Lookout Mt., Tennessee
B.S., University of Chattanooga, 1939
- SNODDY, WILLIAM THURLOW.....Birmingham, Alabama
B.S., Birmingham-Southern College, 1938
- SPROFKIN, BERTRAM EDWARD.....Paterson, New Jersey
B.A., College of the City of New York, 1937
M.S., Vanderbilt University, 1938
- STEWART, DAVID EARL.....Brownsville, Tennessee
B.S., Union University, 1936
- SUGGS, CHARLES LIVINGSTON, JR.....Rossville, Georgia
B.S., University of Chattanooga, 1939
- SUMMERS, JOHN ELBERT, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1937
- TRUEBGER, HAROLD MILTON.....Ft. Myers, Florida
B.S., Maryville College, 1937
- TRUOX, SPENCER ALLEN, JR.....Jackson, Tennessee
B.A., Union University, 1938
- TYLER, JOE EARLE.....Ringgold, Texas
B.A., University of Texas, 1938
- WARDEN, HENRY FAIRBANKS, JR.....McComas, West Virginia
B.A., Vanderbilt University, 1939

- WILLIAMS, EDWIN LEA.....Maryville, Tennessee
B.A., University of Tennessee, 1938
- WYATT, GEORGE BRECK.....Franklin, Tennessee
B.A., Vanderbilt University, 1939

SECOND-YEAR

- ADAIR, MORRIS.....Russellville, Kentucky
B.S., Murray State Teachers College, 1939
- BAKER, COLLIN FREEMAN, JR.....Tampa, Florida
B.A., Vanderbilt University, 1940
- BASHINSKY, LEO MAX.....Birmingham, Alabama
B.A., Vanderbilt University, 1939
- BECKER, WALTER F.....Kaufman, Texas
B.A., Texas Christian University, 1939
- BELL, ERIC NEEDHAM, JR.....Bloomington, Illinois
B.A., Vanderbilt University, 1940
- BERNARD, JACK ABE.....Rockwood, Tennessee
B.A., Vanderbilt University, 1940
- CALDWELL, JOHN DONALD.....Jefferson City, Tennessee
B.S., Carson-Newman College, 1939
- CARR, ORLON VERE, JR.....Urbana, Illinois
B.A., University of Illinois, 1939
- CAUSEY, ANDREW JACKSON.....Furman, South Carolina
B.S., University of South Carolina, 1939
- CLARK, MARY.....Tupelo, Mississippi
B.A., Miss. State College for Women, 1939
- COY, LOUIS PEIRCE.....San Diego, California
B.A., Pomona College, 1937
M.S., Vanderbilt University, 1939
- DOANE, SAMUEL NEWMAN, JR.....Arkadelphia, Arkansas
B.A., Henderson State Teachers College, 1938
- DONALD, JOHN WATSON.....Pine Apple, Alabama
B.A., Vanderbilt University, 1940
- DRALLE, RUDOLPH AMBROSE.....Sewaren, New Jersey
B.S., Milligan College, 1939
- DUNN, SAMUEL CHESTER.....San Antonio, Texas
B.S., Southwestern University, 1939
- ELDER, IVAN.....Dobbs Ferry, New York
B.S., Maryville College, 1939
- FOWLER, FRANKLIN THOMAS.....Hendersonville, North Carolina
B.S., Carson-Newman College, 1939
- GRAVES, OLIVER HALTOM.....Jackson, Tennessee
B.A., Vanderbilt University, 1939
- GRIFFITH, JOHN WALTON, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- HEIMBURGER, ROBERT FRANCIS.....Springfield, Missouri
B.S., Drury College, 1939
- JOHNSON, JOE HALL.....Clanton, Alabama
B.A., Vanderbilt University, 1940
- KEEFE, JACK EDWARD, III.....Nashville, Tennessee
B.A., Vanderbilt University, 1939
- KESTERSON, JOHN EMMETT.....Knoxville, Tennessee
B.A., University of Tennessee, 1939

- KRAEFT, NELSON HERBERT.....Nashville, Tennessee
B.S., University of Georgia, 1938
- LAWRENCE, KENNETH GRAHAM.....Florence, South Carolina
B.S., Wofford College, 1939
- LAY, WILLIAM RANDALL.....Barbourville, Kentucky
B.A., Berea College, 1939
- LITTLE, JOSEPH ALEXANDER.....Bessemer, Alabama
B.A., Vanderbilt University, 1940
- LONGINO, JOSEPH BEASLEY.....Sulphur Springs, Texas
B.A., Vanderbilt University, 1940
- MILLER, CLAY ROZEAR.....Pensacola, Florida
B.S., Birmingham-Southern College, 1939
- MOLLOY, LAWRENCE.....White Plains, New York
B.A., Vanderbilt University, 1940
- MORTLAND, STEWART RICHARD.....St. Louis, Missouri
B.A., Westminster College, 1939
- MOSELEY, THADDEUS MORTIMER, III.....West Point, Mississippi
B.A., University of Mississippi, 1939
- MURFREE, MATT BRICKELL, JR.....Murfreesboro, Tennessee
B.A., Duke University, 1938
- ORY, EDWIN MARVIN.....Fort Payne, Alabama
B.A., Howard College, 1939
- PAYNE, GABE AUBREY, JR.....Hopkinsville, Kentucky
B.A., Vanderbilt University, 1940
- POLK, JAMES WALTER.....Troy, Tennessee
B.A., Vanderbilt University, 1940
- POMERANZ, ALFRED ABRAHAM.....Brooklyn, New York
B.A., Vanderbilt University, 1940
- REYNOLDS, DALLAS BETHEA.....Columbia, South Carolina
B.A., Wofford College, 1939
- RINGER, PAUL HENRY, JR.....Asheville, North Carolina
B.A., Princeton University, 1939
- SCHAFFARZICK, WILLIAM ROBERT.....White Sulphur Springs, Mont.
B.A., Vanderbilt University, 1940
- SMITH, WILLIAM KENNETH.....Auburndale, Florida
B.S., 1937, M.S., 1939, University of Florida
- STRAIGHT, GEORGE WILLIAM.....Savannah, Georgia
B.A., Vanderbilt University, 1939
- THOMASON, JAMES ROBERT.....Fountain Inn, South Carolina
B.S., Presbyterian College, 1940
- THOMASSON, JAMES NELSON.....York, South Carolina
B.S., Furman University, 1939
- WHITAKER, HORACE THURSTON, JR.....Fayetteville, Tennessee
B.A., Vanderbilt University, 1940
- WILLIAMS, TIMOTHY GLYNE.....Decherd, Tennessee
B.S., University of the South, 1939
- WINOKUR, GERALD.....Jersey City, New Jersey
B.A., Vanderbilt University, 1940
- WOODS, JAMES WATSON, JR.....Lewisburg, Tennessee
B.A., University of Tennessee, 1939
- WOODS, JOHN ROBERT.....Alamo, Tennessee
B.S., Milligan College, 1938

FIRST-YEAR CLASS

- APPLEWHITE, CALVIN WINFIELD.....New Orleans, Louisiana
B.A., Baylor University, 1940
- AUSTIN, ANDREW CAMPBELL.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- AUSTIN, OTIS GENE.....Alliance, Ohio
B.S., Mount Union College, 1940
- BEACH, WILLIAM CULBERTSON.....Lakewood, Ohio
B.A., Vanderbilt University, 1941
- CANNON, RICHARD OVERTON, II.....Leitchfield, Kentucky
B.S., Western Kentucky State Teachers College, 1940
- CHATHAM, BEVERLY COLVIN.....Greenville, Kentucky
B.A., Centre College, 1940
- CLOSSON, WILLIAM GIDEON, JR.....Flushing, New York
B.A., University of Arizona, 1940
- CONWELL, DONALD PETTUS.....Jasper, Alabama
B.A., Vanderbilt University, 1941
- CROWDIS, JAMES HUDSON, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1940
- CURTIS, LYNN FERGUSON.....Greenback, Tennessee
B.A., Maryville College, 1939
M.A., Vanderbilt University, 1940
- DADE, JAMES RANDOLPH.....Hopkinsville, Kentucky
B.A., University of Kentucky, 1941
- DELOACHE, WILLIAM REDDING.....Camden, South Carolina
B.A., Vanderbilt University, 1941
- ELLIS, JAMES WOOD.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- ELROD, PARKER DAVID.....Nashville, Tennessee
B.A., Vanderbilt University, 1940
- FERRAN, HARRY HARPER.....Orlando, Florida
B.A., Vanderbilt University, 1940
- GARRISON, SIDNEY CLARENCE, JR.....Nashville, Tennessee
B.S., Peabody College, 1940
- GERMAN, RICHARD McEWEN, JR.....Franklin, Tennessee
B.S., Hampden-Sydney College, 1940
- GLANTON, JAMES BELLFIELD.....Georgetown, Kentucky
B.A., Georgetown College, 1940
- GRAY, FRED JAMES, JR.....Sheffield, Alabama
B.A., Vanderbilt University, 1941
- GROSSMAN, MILTON.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- HAYS, FRANK JOHNSON.....Winchester, Kentucky
B.A., Kentucky Wesleyan College, 1940
- HUGHES, GRACE CORNELIA.....Birmingham, Alabama
B.S., Birmingham-Southern College, 1938
- INGRAM, MINYARD DEE, JR.....Dresden, Tennessee
B.A., Vanderbilt University, 1941
- JOHNSON, HOWARD CHANDLER.....Humboldt, Tennessee
B.S., Milligan College, 1939
- JONES, EDMUND PALMER.....Paducah, Kentucky
B.A., Vanderbilt University, 1941
- JORDAN, ROBERT GREEN, JR.....Fort Valley, Georgia
B.A., Vanderbilt University, 1941

- LECKY, JIM HENCE.....Calvert City, Kentucky
B.S., Western Ky. State Teachers College, 1940
- LOWRY, CONIE CRITTENDEN.....Princeton, Kentucky
B.A., University of Kentucky, 1940
- LUCKEY, EGBERT HUGH.....Jackson, Tennessee
B.S., Union University, 1941
- McKINNON, JOHN B.....Longview, Texas
B.S., Southwestern University, 1940
- MADDY, JOAN LEIGH.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- MYERS, WILLIAM THOMAS.....Danville, Virginia
B.A., Vanderbilt University, 1940
- PHILLIPPI, GEORGE McCOWN.....Camden, Alabama
B.S., Alabama Polytechnic Institute, 1940
- PICKETT, JOHN MITCHELL.....Joplin, Missouri
B.A., Westminster College, 1939
- PISTON, ROBERT ERVIN.....Johnson City, Tennessee
B.A., Vanderbilt University, 1940
- PITTS, ROBERT OWEN.....Atlanta, Georgia
B.A., Vanderbilt University, 1940
- POSTLEWAITE, JACK CLIFFORD.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- PRIDDLE, HAROLD DWIGHT.....Wichita, Kansas
B.A., University of Wichita, 1940
- PRITCHETT, JOHN HENRY.....Bremen, Georgia
B.S., The Citadel, 1940
- RABORG, JANE ETHEL.....Nashville, Tennessee
B.A., Vanderbilt University, 1940
- SCHULL, LAWRENCE GRADY.....Tullahoma, Tennessee
B.A., Vanderbilt University, 1941
- SHORT, DENNIS WAKEFIELD.....Scottsville, Kentucky
B.S., Western Ky. State Teachers College, 1941
- STROLE, DONALD GORDON.....Granite City, Illinois
B.A., Westminster College, 1940
- SWEAT, WILLIAM ANDREW.....Corinth, Mississippi
B.A., Vanderbilt University, 1941
- TINSLEY, WILL HOUSTON.....Gonzales, Texas
B.S., Southwestern University, 1940
- WEEMS, WILLIAM EDMONDS.....Shubuta, Mississippi
B.S., Mississippi State College, 1940
- WHITE, MARSHALL GILL, JR.....Memphis, Tennessee
B.A., Vanderbilt University, 1941
- WOLFORD, LOUIS EDWARD.....Clarkston, Washington
B.S., State College of Washington, 1940
- WOODCOCK, CLARENCE CRANE, JR.....Nashville, Tennessee
B.A., Vanderbilt University, 1941
- YEIDER, WALTER HARRY.....Orlando, Florida
B.A., Vanderbilt University, 1940
- YOUNT, ERNEST HARSHAW, JR.....Newton, North Carolina
B.A., University of North Carolina, 1940

POSTGRADUATE STUDENTS

1940-1941*

CLINICAL MEDICINE

- ALEXANDER, WILLIAM W.....Florence, Alabama
M.D., Vanderbilt University, 1931
- BINGHAM, WILLIAM O.....Roan Mt., Tennessee
Lincoln Memorial Medical Coll., 1909
- CONNELL, MAURICE L.....Wartrace, Tennessee
M.D., Vanderbilt University, 1913
- DINGS, PARLEY M.....Briceville, Tennessee
M.D., University of Tennessee, 1930
- DODSON, ROBERT B.....Cullman, Alabama
M.D., University of Alabama, 1913
- DOUGLASS, FEATHERSTONE.....Dyer, Tennessee
M.D., University of Tennessee, 1928
- JENKINS, EDWIN L.....Soddy, Tennessee
M.D., Chattanooga Medical School, 1908
- MALCOLM, WILLIAM B.....Dandridge, Tennessee
M.D., University of Tennessee, 1933
- MARTIN, CARL T.....Headland, Alabama
M.D., University of Georgia, 1926
- SMITH, MERLE E.....Parrish, Alabama
M.D., Nebraska University, 1929
- STANBERY, WILLIAM C.....Cleveland, Tennessee
M.D., University of Tennessee, 1925
- TILLMAN, JOHN S.....Clio, Alabama
M.D., Grant University, 1917

SURGERY

- HUNT, MARCUS C.....Fairfax, Alabama
M.D., Tulane University, 1923
- KING, JAMES M.....Tullahoma, Tennessee
M.D., University of Tennessee, 1935
- MAJURE, ERNEST O.....Wetumpka, Alabama
M.D., Emory University, 1932
- MCCOIN, JOSEPH.....La Follette, Tennessee
M.D., University of Tennessee, 1933
- NEAL, RALPH D.....Grove Hill, Alabama
M.D., Emory University, 1923
- PARKS, JOHN E., JR.....Somerville, Tennessee
M.D., University of Tennessee, 1925
- PICKELL, FRANK W.....Brewton, Alabama
M.D., Tulane University, 1930
- POPE, HERBERT L.....Knoxville, Tennessee
M.D., University of Tennessee, 1926
- SALTER, PAUL E.....Eufaula, Alabama
M.D., Tulane University, 1916
- WATKINS, JOSEPH R.....Loudon, Tennessee
M.D., Vanderbilt University, 1927

*This includes postgraduate students enrolled up to July 1, 1941.

PEDIATRICS

BAILEY, J. MANSFIELD.....	Camden, Tennessee
M.D., Vanderbilt University, 1922	
CLARK, HUGH G.....	Clayton, Alabama
M.D., University of Texas, 1934	
DINGS, PARLEY M.....	Briceville, Tennessee
M.D., University of Tennessee, 1930	
FAIN, SAMUEL C.....	Jefferson City, Tennessee
M.D., University of Tennessee, 1929	
JENKINS, EDWIN L.....	Soddy, Tennessee
M.D., Chattanooga Medical College, 1908	
MALCOLM, WILLIAM B.....	Dandridge, Tennessee
M.D., University of Tennessee, 1933	
NEVILLE, CHARLES W.....	Flat Creek, Alabama
M.D., Vanderbilt University, 1928	
OWSLEY, WINFIELD S.....	Opelika, Alabama
M.D., Emory University, 1924	
THOMAS, BENJAMIN F.....	Auburn, Alabama
M.D., Emory University, 1917	
WRIGHT, DUWARD O.....	Ft. Payne, Alabama
M.D., Northwestern University, 1930	

OBSTETRICS AND GYNECOLOGY

BRUNSON, EMMETT T.....	Samson, Alabama
M.D., Emory University, 1921	
CLARK, CHARLES M., JR.....	McMinnville, Tennessee
M.D., University of Tennessee, 1928	
DOUGLAS, FEATHERSTON.....	Dyer, Tennessee
M.D., University of Tennessee, 1928	
GOLDSMITH, EDWARD F.....	Prichard, Alabama
M.D., Tulane University, 1934	
PALMER, JULIAN G.....	Opelika, Alabama
M.D., Tulane, 1923	
PREAS, WILLIAM G.....	Johnson City, Tennessee
M.D., Medical College of Virginia, 1929	
ROWAN, WALTER W.....	Attalla, Alabama
M.D., Emory University, 1915	
WILSON, THAYER S.....	Gordonsville, Tennessee
M.D., Vanderbilt University, 1921	
YARBERRY, OTHA H.....	Sevierville, Tennessee
M.D., University of Tennessee, 1923	

PUBLIC HEALTH

BOSTWICK, ROBERT H., JR.....	New Albany, Mississippi
M.D., Emory University, 1934	
BUX, DONALD E.....	Topeka, Kansas
M.D., Kansas University, 1939	
RINGLAND, PRATT.....	Kingsport, Tennessee
D.D.S., Northwestern University, 1937	
RYAN, EVERETT W.....	Charleston, Mississippi
M.D., University of Louisville, 1934	

SYPHILIS

- AINSWORTH, JOHN BYRD.....Raymond, Mississippi
M.D., Mississippi Medical College, 1910
- BOHRER, EDWARD R.....West Plains, Missouri
M.D., Washington University, 1934
- BOYD, BERNICE W.....Cleveland, Mississippi
R.N., Touro Infirmary, New Orleans, La., 1935
- BYRD, ETHEL.....Jackson, Mississippi
R.N., New York Hospital, 1926
- CARR, OLIVER F.....Jackson, Mississippi
M.D., University of the South, 1903
- CONN, JOHN P.....Monticello, Louisiana
M.D., Tulane University, 1898
- EILMANN, ROSE.....Santa Ana, California
R.N., University of Washington, 1920
- FIRST, FRANCIS RAY.....Crescent, Oklahoma
M.D., Missouri University, 1911
- FREELAND, CLARENCE F.....Glendora, Mississippi
M.D., Vanderbilt University, 1909
- GEORGE, O'CONNOR.....Jackson, Mississippi
R.N., Baptist Hospital, Memphis, Tenn., 1925
- GREENWELL, BERTHA C.....Nashville, Tennessee
R.N., St. Thomas Hospital, 1917
- HART, MARSHALL O.....Tulsa, Oklahoma
M.D., University of Oklahoma, 1927
- JORDAN, FAY B.....Clarksdale, Mississippi
R.N., Baptist Hospital, Memphis, Tenn., 1930
- LANDER, RODERICK G.....Pascagoula, Mississippi
M.D., Southwestern University, Dallas, Texas, 1911
- LANGSTON, DEWITT TALMAGE.....New Hebron, Mississippi
M.D., Tulane University, 1910
- LEONARD, MELVIN J.....Shugualok, Mississippi
M.D., University of Nashville, 1901
- LEWIS, POWELL KIMBROUGH.....Sopnepa, Oklahoma
M.D., University of the South, 1901
- LOVE, TRAVIS DRENNAN.....Tulsa, Oklahoma
M.D., University of Alabama, 1915
- LUSK, CHARLES A., JR.....Butler, Missouri
M.D., Northwestern University, 1934
- McELWEE, E. ROBBIE.....Houston, Texas
R.N., Baylor University Hospital, 1934
- McKEE, CARLOS REESE.....Hazlehurst, Mississippi
M.D., Memphis Hospital Medical College, 1907
- MONTGOMERY, MARION L.....Louisville, Mississippi
M.D., Mississippi Medical College, 1910
- MORRIS, MARY MARGARET.....Webb City, Missouri
R.N., St. Mary's Hospital, Kansas City, Mo., 1937
- NEWELL, SAMUEL DOAK.....Inverness, Mississippi
M.D., Memphis Hospital Medical College, 1909
- OWENS, RUTH ANNA.....Leavenworth, Kansas
R.N., Cushing Memorial Hospital, 1930
- PHILLIPS, ORA E.....Jackson, Mississippi
R.N., Shenango Valley Hospital, New Castle, Pa., 1911

- PIPER, GLADYS M.....Nashville, Tennessee
R.N., Massachusetts Memorial Hospital, 1919
- PRINGLE, CLAUDE BROOKS.....San Anselmo, California
M.D., University of California, 1937
- RYAN, EVERETT W.....Charleston, Mississippi
M.D., University of Louisville, 1934
- SENER, J. T.....Fulton, Mississippi
M.D., University of Louisville, 1907
- SHARP, JACK W.....Dallas, Texas
M.D., Baylor University, 1939
- SHAW, BRYANT J.....Slate Spring, Mississippi
M.D., Memphis Hospital Medical College, 1904
- SHERIFF, KENNETH C.....Los Angeles, California
M.D., College of Medical Evangelists, 1940
- SIGREST, ERNEST A.....Flora, Mississippi
M.D., Tulane University, 1904
- SLAUGHTER, WILBUR S.....Jamestown, Mississippi
M.D., Memphis Hospital Medical College, 1904
- STARR, ORANGE W.....Drumright, Oklahoma
M.D., St. Louis University, 1914
- STUART, CLYDE G.....Oakland, California
M.D., College of Medical Evangelists, 1938
- TYRONE, NELSON O.....Prentiss, Mississippi
M.D., Tulane University, 1934
- WALLER, BENJAMIN S.....Silver Creek, Mississippi
M.D., University of Louisville, 1897
- WANIATA, GEORGE N.....Los Angeles, California
M.D., University of Illinois, 1938
- WATKINS, HORACE C.....Quitman, Mississippi
M.D., University of Nashville, 1907
- WATSON, WILLIAM H.....Abilene, Texas
M.D., Tulane University, 1910
- WHEELIS, DENSON A.....Beverly Hills, California
M.D., Stanford University, 1935
- WILLIAMS, CLARA POLLIE.....Abilene, Texas
R.N., Hendrick Memorial Hospital, Abilene, Texas
- WITTE, K. L.....Leland, Mississippi

SPECIAL COURSES

- ANGUS, CLAIRE G.....Honolulu, T. H.
- WRIGHT, ORVILLE M.....Dayton, Ohio
M.D., Northwestern University, 1932

POSTGRADUATE STUDENTS

SUMMER, 1939

CLINICAL MEDICINE

COLLINS, CLAUDE A.....	Wilder, Tennessee
M.D., University of Tennessee, 1925	
JENKINS, EDWIN L.....	Soddy, Tennessee
M.D., Chattanooga Medical College, 1908	
JONES, GARLAND F.....	Jackson, Tennessee
M.D., Vanderbilt University, 1912	
NEVILLE, CHARLES W.....	Flat Creek, Alabama
M.D., Vanderbilt University, 1928	
PARKS, JOHN E.....	Somerville, Tennessee
M.D., University of Tennessee, 1925	
POPE, HERBERT L.....	Knoxville, Tennessee
M.D., University of Tennessee, 1926	
SMITH, MYRTLE LEE.....	Livingston, Tennessee
M.D., Womans' Medical College of Pennsylvania, 1926	
THOMAS, ROBERT F.....	Sevierville, Tennessee
M.D., Syracuse University, 1924	
WILSON, THAYER S.....	Gordonsville, Tennessee
M.D., Vanderbilt University, 1921	

SURGERY

ADAIR, ERNEST W.....	Springfield, Tennessee
M.D., Emory University, 1928	
YARBERRY, OTHA H.....	Sevierville, Tennessee
M.D., University of Tennessee, 1923	
YOUNG, JOHN P.....	Pikeville, Tennessee
M.D., South Carolina Medical College, 1933	

PEDIATRICS

BOYLE, FRANK B.....	Big Springs, Texas
M.D., Baylor University, 1935	
CAPPS, HIRAM C.....	Waverly, Tennessee
M.D., University of Tennessee, 1927	
COLLINS, CLAUDE A.....	Wilder, Tennessee
M.D., University of Tennessee, 1925	
HALLER, EDWIN N.....	Dayton, Tennessee
M.D., Tulane University, 1922	
HARRISON, ARTHUR P.....	Loudon, Tennessee
M.D., Lincoln Memorial University, 1913	
HUFSTEDLER, AMOS G.....	Knoxville, Tennessee
M.D., University of Nashville, 1911	
INGRAM, MINYARD D.....	Dresden, Tennessee
M.D., University of Tennessee, 1913	
JONES, GARLAND F.....	Jackson, Tennessee
M.D., Vanderbilt University, 1912	

- MC EVER, EDWARD A.....Pruden, Tennessee
M.D., University of Tennessee, 1925
- MOON, JAMES P.....Dyersburg, Tennessee
M.D., University of Nashville, 1908
- MOORE, FRANK A.....Trenton, Tennessee
M.D., Vanderbilt University, 1931
- PARKS, JOHN E., JR.....Somerville, Tennessee
M.D., University of Tennessee, 1925
- STANBERY, WILLIAM C.....Cleveland, Tennessee
M.D., University of Tennessee, 1925
- WILSON, THAYER S.....Gordonsville, Tennessee
M.D., Vanderbilt University, 1921

OBSTETRICS AND GYNECOLOGY

- ADAIR, ERNEST W.....Springfield, Tennessee
M.D., Emory University, 1928
- BINGHAM, WILLIAM O.....Roan Mt., Tennessee
M.D., Tennessee Medical College, 1909
- CALDWELL, TURNER A.....Jefferson City, Tennessee
M.D., Vanderbilt University, 1918
- CONNELL, MAURICE L.....Wartrace, Tennessee
M.D., Vanderbilt University, 1913
- HAWKINS, JOHN S.....Springfield, Tennessee
M.D., Vanderbilt University, 1910
- JENKINS, EDWIN L.....Soddy, Tennessee
M.D., Chattanooga Medical College, 1908
- MCGAHA, WILLIAM E.....Newport, Tennessee
M.D., University of Tennessee, 1917
- NEASE, LLOYD S.....Newport, Tennessee
Lincoln Memorial Medical College, 1915
- NEVILLE, CHARLES W.....Flat Creek, Alabama
M.D., Vanderbilt University, 1928
- SMITH, MYRTLE LEE.....Livingston, Tennessee
M.D., Womans' Medical College of Pennsylvania, 1926
- THOMAS, ROBERT F.....Sevierville, Tennessee
M.D., Syracuse University, 1924

INTERNSHIPS AND APPOINTMENTS

1941

BAIRD, JOSEPH JAY.....	Jacksonville, Florida Duval County Hospital
BAXTER, JAMES HUBERT, JR.....	Baltimore, Maryland Johns Hopkins University Hospital
BRYAN, JOHN THOMAS.....	Fairfield, Alabama Employees Hospital of the T. C. I. & R. R. Co.
BYRD, BENJAMIN FRANKLIN, JR.....	Nashville, Tennessee Nashville General Hospital
CAYCE, WILLIAM.....	Grand Rapids, Michigan Butterworth Hospital
COGBILL, CHARLES LIPSCOMB, JR.....	Rochester, New York Strong Memorial Hospital
CRAMPTON, JOSEPH HAMILTON.....	Nashville, Tennessee Vanderbilt University Hospital
CULBERTSON, WILLIAM RICHARDSON, JR.....	Lexington, Kentucky St. Joseph Hospital
CUMMINS, SAMUEL DEMONTFORD.....	Shreveport, Louisiana Shreveport Charity Hospital
DANIEL, WILLIAM THOMAS.....	Birmingham, Alabama Hillman Hospital
DAVIS, DAVID A.....	New Orleans, Louisiana Charity Hospital
DE VLAMING, WILLIAM.....	Birmingham, Alabama Hillman Hospital
DIVELEY, WALTER LOWELL.....	Nashville, Tennessee Vanderbilt University Hospital
ELLENBURG, LUKE LAMAR.....	Nashville, Tennessee Vanderbilt University Hospital
FOLK, BENJAMIN PERRY, JR.....	Nashville, Tennessee Vanderbilt University Hospital
FOOTE, ROBERT MILLER.....	Boston, Massachusetts U. S. Marine Hospital
GREENE, RALPH NELSON, JR.....	Fort Sam Houston, Texas Station Hospital
GROSSMAN, LAURENCE A.....	Nashville, Tennessee Vanderbilt University Hospital
HESLINGTON, HURSTON FARRAR.....	Saranac Lake, New York Trudeau Sanatorium
HILSENBECK, JOHN ROBERT.....	Detroit, Michigan Henry Ford Hospital
HILSMAN, JOE HAMILTON, JR.....	Charlottesville, Virginia University of Virginia Hospital
HOLBROOK, THOMAS JEFFERSON.....	Nashville, Tennessee Vanderbilt University Hospital
KINGSBORO, WILSON SCHWAB.....	Wilmington, Delaware Delaware Hospital
LACY, GEORGE EDWARD.....	Chattanooga, Tennessee Baroness Erlanger Hospital

- LECKY, JOHN D.....Fort Sam Houston, Texas
Station Hospital
- LUCKEY, CARL FREEMAN.....Memphis, Tennessee
John Gaston Hospital
- MCLELLAN, MARION SMITH.....Grand Rapids, Michigan
Butterworth Hospital
- MCSWAIN, GEORGE HOWARD.....Durham, North Carolina
Duke University Hospital
- MALONE, JOHN MAYNARD.....Providence, Rhode Island
Rhode Island Hospital
- MATTHEWS, JAMES HARVEY.....Nashville, Tennessee
St. Thomas Hospital
- MYHR, LAMB BOLTON.....Birmingham, Alabama
Hillman Hospital
- PATRICK, WILLIAM HARVEY.....Baltimore, Maryland
Johns Hopkins University Hospital
- PIERCE, ROBERT RUSSELL.....Cincinnati, Ohio
Cincinnati General Hospital
- RABOLD, LEONARD JAMES.....Baltimore, Maryland
Baltimore City Hospital
- REARDON, FREDERICK, JR.....Baltimore, Maryland
Baltimore City Hospital
- RHEA, SAMUEL BARCLEY DONALDSON.....Albany, New York
Albany Hospital
- RUSH, WILLETT HOWARD.....Nashville, Tennessee
Davidson County Hospital
- SANDERS, DAN S., JR.....Jacksonville, Florida
Duval County Hospital
- SCOTT, JAMES ALBERT.....Nashville, Tennessee
St. Thomas Hospital
- SCOTT, JESSE FRIEND.....Nashville, Tennessee
Vanderbilt University Hospital
- SCULL, ALVIS JOE, JR.....Rochester, New York
Strong Memorial Hospital
- SHAPIRO, JOHN LAWTON.....Cleveland, Ohio
Lakeside Hospital
- SMITH, JAMES BARRY.....San Francisco, California
Southern Pacific General Hospital
- STEVENS, FRANK WILSON.....St. Louis, Missouri
Barnes Hospital
- STONE, THOMAS BENTLEY.....Nashville, Tennessee
Vanderbilt University Hospital
- SUMPTER, WILLIAM DAVID.....Rochester, New York
Rochester General Hospital
- TROUSDALE, PRESTON SIMPSON.....Charlottesville, Virginia
University of Virginia Hospital
- VIEHMAN, ARTHUR JOHN.....Hopemont, West Virginia
Hopemont Sanitarium
- WALLACE, DEANE DEVERE.....Nashville, Tennessee
Vanderbilt University Hospital
- WARDER, THOMAS FISHER.....Nashville, Tennessee
Vanderbilt University Hospital
- WILLIAMS, CAROLINE JANE.....Boston, Massachusetts
Massachusetts Memorial Hospital

WILSON, CHARLES FRANCIS.....	St. Louis, Missouri
St. John's Hospital	
WOMACK, FRANK C., JR.....	Nashville, Tennessee
Vanderbilt School of Medicine, Dept. of Pathology	
ZIRKLE, CHARLES RANKIN.....	Buffalo, New York
Deaconess Hospital	

HONORS

FOUNDER'S MEDAL

CHARLES LIPSCOMB COGBILL, JR.....	LaGrange, Tennessee
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THE BEAUCHAMP SCHOLARSHIP

Awarded in the School of Medicine in the Department of Neurology

FRANK WILSON STEVENS.....	Nashville, Tennessee
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DR. BEN WITT KEY ANNUAL AWARD

Awarded to that senior in the School of Medicine who is among the five highest in scholarship, and judged by the faculty to be outstanding in scientific ability, in character, and in personality.

JAMES HUBERT BAXTER, JR.....	Ashburn, Georgia
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FOSHEE SCHOLARSHIP AWARD

Awarded to either a third-year or a fourth-year student who is in the upper third of the class in scholarship; who has been, to some extent, self-supporting and who is a native of a southern state.

HURSTON, FARRAR HESLINGTON.....	Birmingham, Alabama
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ALPHA OMEGA ALPHA

Scholarship Society of the School of Medicine

Fourth-Year Class

BAXTER, JAMES HUBERT, JR.....	Ashburn, Georgia
COGBILL, CHARLES LIPSCOMB, JR.....	LaGrange, Tennessee
DIVELEY, WALTER LOWELL.....	Garber, Oklahoma
GROSSMAN, LAURENCE A.....	Nashville, Tennessee
HILSENBECK, JOHN ROBERT.....	Jenkins, Kentucky
HOLBROOK, THOMAS JEFFERSON.....	Redbush, Kentucky
MC SWAIN, GEORGE HOWARD.....	Paris, Tennessee
MATTHEWS, JAMES HARVEY.....	Franklin, Tennessee

Third-Year Class

LASSITER, JAMES WATSON.....	Huntingdon, Tennessee
SPROFKIN, BERTRAM EDWARD.....	Patterson, New Jersey
WARDEN, HENRY FAIRBANKS.....	McComas, West Virginia

SCHEDULE OF COURSES—1941-1942
FIRST YEAR—FIRST SEMESTER
 September 25 to January 31, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-11:30	Gross Anatomy	Gross Anatomy	Gross Anatomy	Gross Anatomy	Gross Anatomy	Gross Anatomy
11:30-12:30		Gross Anatomy	*Psychobiology	Histology		
1:30-2:30			Military Science		Neurology	
2:30-3:30	Histology	Histology	**Library	Gross Anatomy	Neurology	
3:30-4:30	Histology					

*Eleven lectures.

**Two library lectures the first two Wednesdays after school begins.

FIRST YEAR—SECOND SEMESTER

February 2 to May 29, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
9:30-12:30	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
1:30-2:30			Military Science			
2:30-4:30	Biochemistry	Physiology		Physiology	Biochemistry	

Note: During the first two weeks of the semester the Department of Biochemistry will use all of the scheduled time of the student; during the last two weeks of the semester the Department of Physiology will use all of the scheduled time of the student.

SECOND YEAR—FIRST TRIMESTER

September 25 to December 6, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-11:30	Pathology	Pathology	Pathology	Pathology	Pathology	Bacteriology
11:30-12:30	Bacteriology	Bacteriology	Bacteriology		Bacteriology	
1:30-2:30		Military Science				
2:30-3:30	Bacteriology		Bacteriology	*Medical Statistics	Bacteriology	
3:30-4:30						

*This course ends on November 20.

SECOND YEAR—SECOND TRIMESTER

December 8 to March 7, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-10:30	Neurology	Pathology	Pharmacology	Neurology	Pathology	Pathology
10:30-11:30				Clinical Pathology		
11:30-12:30	Pharmacology	Clinical Pathology	Pharmacology	Pharmacology	Clinical Pathology	Pharmacology
1:30-2:30	Pathology			Military Science		
2:30-4:30						

SECOND YEAR—THIRD TRIMESTER

March 9 to May 29, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Introduction to Surgery		Introduction to Surgery		Physical Diagnosis in Surgery	Introduction to Surgery
9:30-10:30	Parasitic Diseases	Optional*	Obstetrics	*Optional		Obstetrics
10:30-11:30					Parasitic Diseases	Physical Diagnosis
11:30-12:30		Medical Clinic		Military Science		
1:30-4:30	Physical Diagnosis		Physical Diagnosis		Physical Diagnosis	

*Students must take Applied Anatomy or substitute an equivalent elective.

THIRD YEAR—FIRST TRIMESTER

September 25 to December 6, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-11:30	<p>Group A.—Medical Ward Work. Group B.—Surgical Ward Work. Group C.—One-half group, Pediatrics Ward Work. One-half group, Obstetrics Ward Work. (Sub-groups interchange at middle of trimester.)</p>					
11:30-12:30	Obstetrics	Surgery	Medicine	Obstetrics	Surgery	Neurology
1:30-2:30	Optional except half of Group C Obstetrics		Optional except half of Group C Obstetrics	Optional except half of Group C Obstetrics	Ward Work except half of Group C Obstetrics	
2:30-3:30	Surgical Pathology		Clinical Pathological Conference	Military Science		
3:30-4:30			Pediatrics			

THIRD YEAR—SECOND TRIMESTER

December 8 to March 7, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-11:30	<p>Group A.—Surgical Ward Work Group B.—One-half group, Pediatrics Ward Work. One-half group, Obstetrics Ward Work. (Sub-groups interchange at middle of trimester.) Group C.—Medical Ward Work</p>					
11:30-12:30	Obstetrics	Surgery	Medicine	Obstetrics	Surgery	Medicine
1:30-2:30	Surgical Pathology	Optional except half of Group B. Obstetrics	Optional except half of Group B. Obstetrics	Optional except half of Group B. Obstetrics	Ward Work except half of Group B. Obstetrics	
2:30-3:30		Psychiatry	Clinical Pathological Conference	Military Science		
3:30-4:30						

THIRD YEAR—THIRD TRIMESTER

March 9 to May 29, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-11:30	Group A. —One-half group, Pediatrics Ward Work One-half group, Obstetrics Ward Work (Sub-groups interchange at middle of trimester.) Group B. —Medical Ward Work Group C. —Surgical Ward Work					
11:30-12:30	Obstetrics	Surgery	Medicine	Neurology	Surgery	Medicine
1:30-2:30	Surgical Pathology	Optional except half of Group A. Obstetrics	Optional except half of Group A. Obstetrics	Optional except half of Group A. Obstetrics	Ward Work except half of Group A. Obstetrics	
2:30-3:30		Psychiatry	Clinical Pathological Conference	Military Science	Obstetrics	
3:30-4:30						

FOURTH YEAR—FIRST TRIMESTER
September 25 to December 6, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10-9:10	Pediatrics	Preventive Medicine	Surgery	Preventive Medicine	Orthopedic Surgery	Dermatology
9:15-11:30	Group A. —Gynecology and Pediatrics *Subgroup 1. Gynecology Subgroup 2. Pediatrics Group B. —Medical Out-Patient Work, including Neurology and Dermatology† Group C. —Surgical Out-Patient Work, including Orthopedics and Urology‡					
11:30-12:30	Obstetrics and Gynecology	Surgery	Medicine	Pediatrics	Surgery	Medicine
1:30-3:30	Preventive Medicine and Public Health	Group A. *Subgroup 1. Obstetrical and Gynecological Laboratory (4 hours per week). Subgroup 2. Electives and Optional Work Group B. Electives and Optional Work Group C. *Subgroup 1. Electives and Optional Work Subgroup 2. Ophthalmology and Otolaryngology				
3:30-4:30		Otolaryngology	Clinical Pathological Conference	Military Science		

*Subgroups interchange at middle of trimester.
 †Students from the subgroup on General Medicine and Surgery will be assigned to work in the City Hospital by their respective departments.

FOURTH YEAR—SECOND TRIMESTER

December 8 to March 7, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10-9:10	Pediatrics	Preventive Medicine	Ophthalmology	Preventive Medicine	Urology	Gynecology
9:15-11:30	Group A. Medical Out-Patient Work, including Neurology and Dermatology† Group B. Surgical Out-Patient Work, including Orthopedics and Urology† Group C. Gynecology and Pediatrics *Subgroup 1. Gynecology Subgroup 2. Pediatrics					
11:30-12:30	Obstetrics and Gynecology	Surgery	Medicine	Pediatrics	Surgery	Medicine
1:30-3:30	Preventive Medicine and Public Health	Group A. Electives and Optional Work Group B. Electives and Optional Work *Subgroup 1. Ophthalmology and Otolaryngology Subgroup 2. Group C. Obstetrical and Gynecological Laboratory *Subgroup 1. (4 hours per week). Subgroup 2. Electives and Optional Work				
3:30-4:30		Immunology and Serology	Clinical Pathological Conference	Immunology and Serology	Military Science	

*Subgroups interchange at middle of trimester.

†Students from the subgroup on General Medicine and Surgery will be assigned to work in the City Hospital by their respective departments.

FOURTH YEAR—THIRD TRIMESTER

March 9 to May 29, inclusive

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10-9:10	Radiology	Therapeutics	Ophthalmology	Gynecology	Urology	Therapeutics
9:15-11:30	Group A. Surgical Out-Patient Work, including Orthopedics and Urology† Group B. Gynecology and Pediatrics *Subgroup 1. Gynecology Subgroup 2. Pediatrics Group C. Medical Out-Patient Work, including Neurology and Dermatology‡					
11:30-12:30	Obstetrics and Gynecology	Surgery	Medicine	Pediatrics	Surgery	Medicine
1:30-3:30	Psychiatry	Group A. *Subgroup 1. Electives and Optional Work Subgroup 2. Ophthalmology and Otolaryngology Group B. *Subgroup 1. Obstetrical and Gynecological Laboratory Subgroup 2. Electives and Optional Work Group C. Electives and Optional Work				
3:30-4:30			Clinical Pathological Conference	Medical Jurisprudence	Military Science	

*Subgroups interchange at middle of trimester.

†Students from the subgroup on General Medicine and Surgery will be assigned to work in the City Hospital by their respective departments.

SUMMARY OF ELECTIVE COURSES*

Hours by arrangement.

Anatomy 25, 26, 27, 28, 29.
Biochemistry 23, 24, 25, 26, 27.
Pharmacology 22.
Physiology 23, (First trimester).
Physiology 22, 24.
Pathology 23, 26, 27, 28.
Medicine 9, 10.
Neurology 6.
Obstetrics and Gynecology 8.
Pediatrics 5.
Preventive Medicine and Public Health 4, 5.
Roentgenology 1.
Roentgen Diagnosis 3.
X-Ray Technique 4.
Research in Radiology 5.
Surgery 8, 9, 10, 11, 12, 13.

*For further details concerning elective work see Page 37, and description of courses under courses of Instruction beginning on page 47.

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