

BULLETIN
OF
DUKE UNIVERSITY

SCHOOL OF MEDICINE



1930-1931

DURHAM, NORTH CAROLINA
1930

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SCHOOL OF MEDICINE CALENDAR, 1930-1931

1930

- July 1 (Tuesday), Duke Hospital and Out-Patient Clinic open.
- October 1 (Wednesday), Final registration for autumn quarter.
- October 2 (Thursday), Autumn quarter begins.
- November 26 (Wednesday), Thanksgiving vacation begins.
- December 1 (Monday), Instruction is resumed.
- December 20 (Saturday), Autumn quarter ends and Christmas vacation begins.

1931

- January 2 (Friday), Winter quarter begins.
- March 21 (Saturday), Winter quarter ends and spring vacation begins.
- March 30 (Monday), Spring quarter begins.
- June 13 (Saturday), Spring quarter ends and June vacation begins.
- June 22 (Monday), Summer quarter begins.
- September 5 (Saturday), Summer quarter ends and September vacation begins.
- October 1 (Thursday), Autumn quarter begins.
- November 25 (Wednesday), Thanksgiving vacation begins.
- November 30 (Monday), Instruction is resumed.
- December 19 (Saturday), Autumn quarter ends and Christmas vacation begins.

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*Superintendent of Duke Hospital and Professor of
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(Additional appointments will be made later)

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GENERAL STATEMENT

The Duke University School of Medicine and the Duke Hospital were established in 1925 through the munificent gift of the late James B. Duke. The hospital and out-patient clinic will be open for patients on July 1, 1930, and carefully selected first and third year students will be admitted to the School of Medicine on October 1, 1930. Women will be received on the same terms as men.

In establishing the sixth medical school in North Carolina, Duke University has an unparalleled opportunity to aid in the solution of five of the greatest present medical problems, namely, (1) the inability of most medical students to obtain adequate interne hospital training because of the average age of twenty-six years at which they are graduated from medical school; (2) the lack of provision for intensive and extensive postgraduate education for physicians who have been in practice for several years; (3) the disproportion in the distribution of doctors in the cities and rural areas; (4) the dearth of university training for nurses and (5) the need of people of moderate means for diagnostic facilities and hospital treatment within their ability to pay.

The *School of Medicine* with laboratories and class rooms for three hundred students has been planned to insure the greatest correlation between the various departments.

The *Hospital* with its four hundred beds will have every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. The primary function of the hospital will be to provide the best of medical and nursing care. The arrangement and equipment of the out-patient clinic will furnish complete diagnostic facilities. In order to cooperate with the medical profession and to insure the best interests of the patients, it is highly desirable for those who contemplate coming to the hospital or out-patient clinic to consult and bring a letter from their own physicians. After discharge from the hospital, patients will be asked to return to their own physicians. In addition to the clinical facilities of the Duke Hospital and Out-Patient Clinic, the Trus-

tees of the Watts Hospital (220 beds) and of the Lincoln Hospital (108 beds) have very kindly granted teaching privileges to the Duke University School of Medicine.

HOSPITAL

If a patient is recommended for admission to the hospital by his own physician and the admitting office, he may have a ward bed at \$3.00 per day (see last paragraph under Out-Patient Clinic), or he may have a semi-private room at \$4.00 per day or a private room at \$5.00 to \$9.00 per day. No extra charge is made for the usual treatments, drugs and routine laboratory examinations but there is a charge for X-rays, operating room and special examinations and treatments. A deposit must be made in advance to cover the estimated hospital charges. Patients in semi-private and private rooms pay their own physician or surgeon for professional services. Those who are certified by their county welfare officers as unable to pay the ward rate of \$3.00 per day will be charged a reduced rate or will be treated free if hospital care is judged to be necessary by the hospital admitting office.

OUT-PATIENT CLINIC

Daily, except Sundays and holidays, from 1:30 to 3:00 p. m., white patients will be admitted to the out-patient clinic (see last paragraph) for diagnosis and treatment in: General medicine, dermatology, roentgenology, physiotherapy, neurology, psychiatry, general surgery, urology, oto-laryngology, ophthalmology, orthopedics, dentistry, obstetrics, gynecology and pediatrics. A charge of \$2.00 toward the cost of service will be made for each visit, if the patient is able to pay; however, those accompanied by their own physicians will be admitted free. An extra charge will be made for the cost of X-rays, and special diagnostic procedures and treatments. Those who are certified by their county welfare officers as unable to pay the regular fees will be charged a reduced rate or will be treated free.

Daily, except Sundays and holidays, from 3:30 to 5:00 p. m., the out-patient clinic will provide a similar service for colored patients.

All patients in the out-patient clinic will be seen by appointment except in case of emergency. Emergency patients will be seen at any time. In order to coöperate with the medical profession, anyone who wishes to attend the clinic should consult his own physician and if the latter recommends an appointment at the clinic, it should be arranged by telephoning the clinic office (F-133), or by writing to the Admitting Office, Duke Hospital, Durham, N. C. If no advance appointment is made by telephone or by letter, a wait at the clinic office may be unavoidable. A cordial invitation is extended to physicians to accompany their patients.

The general policy of admitting patients to the wards and out-patient clinic will be to consider their financial and social status carefully; income and size of family, special responsibilities and the probable cost of treatment all being weighed in determining admission. A married patient, for instance, with an income of less than \$25 per week will be considered admissible to the wards or out-patient clinic for ordinary conditions; the income limit, of course, varying according to the other factors which affect the patient's ability to pay. Those who are able to pay the ordinary fees of consultants and specialists will not be admitted to the out-patient clinic but may make arrangements through their own physicians for private appointments.

PATIENTS

"Where will the patients for the Duke Hospital and School of Medicine come from?" is a frequent question. Many believe that a teaching hospital must be situated in a huge metropolis. However, in 1913, Osler pointed out that a large population was not essential for a medical school and that Marburg, in Germany, with twenty-three thousand people—half the size of Durham—maintained a medical school of the first rank. The populations of Jena and Heidelberg are very similar to that of Durham and they certainly have no dearth of patients. This statement of Osler's is even more true today because of the tremendous increase in the number of automobiles. For medical schools in large cities, automobiles, by increasing the traffic congestion, actually have reduced the amount of territory from

which patients may attend clinics. For instance, in New York and Chicago nearly an hour is required to go from the center of the city to the medical schools. On the other hand, with the splendid roads in North Carolina, patients can be brought long distances by automobiles in the same time and with more comfort and safety than is possible in traversing a large city. In addition to serving the 47,000 people of Durham, the staff, buildings and equipment should attract a number of patients from among the half million people who live within a fifty mile radius of Durham, as well as from more distant areas.

SCHOOL OF NURSING

The establishment of a University School of Nursing through the coöperation of the University, School of Medicine and Hospital will meet a great need; it will raise the standard of nursing by the selection of pupil nurses upon the same basis as that of the women students of Duke University, by the provision for them of the same housing, recreational and educational advantages upon the campus of the Co-ordinate College for Women, by the use of ward maids to reduce the laborious part of nursing training so that the professional care of patients can be increased during the three years of the basic nursing curriculum which leads to the Diploma of Graduate Nurse, and by the giving of postgraduate instruction to nurses who have been trained elsewhere.

The first class of the Duke University School of Nursing will be admitted on January 2, 1931. The entrance requirements will be intelligence, character and graduation from an acceptable high school. The course leading to the Diploma of Graduate Nurse will consist of three years of eleven months each. The tuition will be \$100 per year. Application forms may be obtained by writing to the Dean, Duke University School of Nursing, Durham, N. C.

Duke University will grant the degree of Bachelor of Science to women who have completed successfully two years of college work (60 semester hours) in Duke University or an acceptable college or university in addition to the three year course leading to the Diploma of Graduate Nurse in the Duke University School of Nursing. The sixty semester hours of college work

can be completed either before or after the three year course in the School of Nursing, but not during it.

SCHOOL OF DIETETICS

In addition to the training of medical students and nurses in dietetics, women whose previous training is acceptable will be admitted to the School of Dietetics and will be given a Certificate of Graduate Dietitian after the successful completion of the course of one year. Applications should be sent to the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C.

POSTGRADUATE STUDY

The need for more provision for *postgraduate* study is very acute not only in this country but abroad. There are very few clinics to which a physician can go, after he has been in practice several years, to obtain the additional training which he has found he requires. It is the plan of the School of Medicine to attempt to fill this need. If any doctor wishes to spend a few days, weeks or months reviewing his knowledge of medicine, surgery, obstetrics, pediatrics or other branches, or if he has to do an unusual operation and wishes to refresh his memory of the anatomy involved, the facilities and equipment will be at his disposal. The service of the School of Medicine will not be limited to the training of its own students and staff but will extend to giving the members of the medical profession the benefit of everything it has. Graduates in medicine will be especially welcomed at the varied clinics and demonstrations in medicine, surgery, obstetrics, pediatrics and other specialties which will be held from 9 a. m. to 1 p. m. each Saturday. Training in preventive medicine and public health, not only for the students in the School of Medicine, but also special work for those who wish to enter upon careers as health officers will be provided. Further information may be obtained by writing to the head of the department concerned or to the Dean, Duke University School of Medicine, Durham, N. C.

INTERNESHIIPS AND RESIDENCIES

Internships of one year's duration with room, board, laundry and uniforms furnished, but without salary, are available in *medicine* (including dermatology, roentgenology, neurology, psychiatry, obstetrics, gynecology, and pediatrics), in *surgery* (including urology, oto-laryngology, ophthalmology, orthopedics, obstetrics and gynecology), or in *pathology*, commencing each January, April, July and October. Medical and surgical internes may elect any of the branches of medicine *or* surgery which they prefer as a major and six months of the total may be spent in that field; the remaining time will be divided among the other medical *or* surgical divisions. Internes in pathology will spend the full twelve months in that department. Application blanks, which must be returned at least three months before the appointment is desired, may be obtained by writing to the head of the department in which an internship is wanted, Duke University School of Medicine, Durham, N. C. Graduates of any class A medical school are eligible for internships.

After the completion of an internship in the Duke Hospital or in an acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics, gynecology, pediatrics, pathology, biochemistry, or in any one of the medical or surgical specialties, at a salary of \$250 to \$500 per year, with maintenance, and eventually may be promoted to the residency in the various departments or sub-departments of the hospital at an annual salary of \$500 to \$1,000, with maintenance. Applications should be made to the head of the department concerned.

LIBRARY

"To study the phenomena of disease without books is to sail an uncharted sea, while to study books without patients is not to go to sea at all.—SIR WILLIAM OSLER

In addition to the general library of Duke University, which has 200,000 volumes, the Duke Hospital Library contains 20,000 volumes of American and foreign medical literature. The hospital library subscribes to 300 current American and foreign medical and other scientific journals. These books and journals are available daily from 9:00 a. m. to 9:00 p. m. for the students, nurses, staff and medical profession.

APPLICATION FOR ADMISSION

Application forms may be obtained by writing to the Dean, Duke University School of Medicine, Durham, N. C. They must be filled in with typewriting, a 2 in. x 2½ in. recent photograph attached and the application returned to the dean as soon as possible. Applications will be evaluated in the order received. If the information obtained is satisfactory, a personal interview with the dean or regional representative of the committee on admission will be arranged for the applicant. The applicant will then be notified as soon as possible whether he has been accepted or declined; if accepted, the student must send a deposit of \$50 within two weeks to insure his enrollment. This money will be applied toward the tuition. First year students will be admitted only in October at the beginning of the autumn quarter, but applications will be considered and a decision in regard to admission will be made at any time during the preceding year.

REQUIREMENTS FOR ENTRANCE

"I recommend that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application evincing a wholesome and real ambition for life."—JAMES B. DUKE.

Intelligence and character, plus two years of college work (70 semester hours), including:

Biology: At least one year of college work (8 semester hours, one half of which must be laboratory work).

Chemistry: At least two years of college work (10 semester hours of inorganic chemistry including short or preliminary courses in qualitative and quantitative analysis, and 6 semester hours of organic chemistry; one half of each course must be laboratory work). These represent the minimal requirements in chemistry. Additional courses in analytical and physical chemistry are desirable.

Physics: At least one year of college work (10 semester hours, one half of which must be laboratory work).

English: At least two years of college work (12 semester hours).

Mathematics: At least one year of college work (6 semester hours; a working knowledge of logarithms is essential and one of calculus desirable).

Languages: Two years of study of German and French in High School or in College are desirable but not a necessary requirement.

Selection will be based on the *quality* rather than the *quantity* of preparation.

REASONS FOR ENTRANCE REQUIREMENTS

Students, who have been selected carefully on the basis of their intelligence and character, will be admitted to the School of Medicine after two years of college work for the following reasons:

- (1) Two years of college work are sufficient for an adequate preparation in chemistry, biology, physics, English and mathematics;
- (2) two years of additional postgraduate interne training are more valuable than the junior and senior years in college;
- (3) experience has demonstrated that the majority of medical students who have had four years of college work and who are, therefore, 21 or 22 years of age, rarely spend more than one year in postgraduate interne training;
- (4) there is no relationship between the *quality* of the student's intelligence and the *quantity* of hours spent in college;
- (5) a complete college course is unnecessary today because many of the subjects formerly studied in college are now taught in high school;
- (6) a reading knowledge of German and French is not necessary today because of the prompt abstracting of foreign medical journals;
- (7) culture is acquired more often at home and from associations and environment early in life than in college;
- (8) two years of training in the basic sciences after graduation from medical school are more valuable than the junior and senior years in college for those who later are to do scientific investigative work in medicine;
- (9) the junior and senior years in a college in which the gifted student is not given special advantages frequently cause habits of academic indolence;
- (10) the present average age of entering practice will be maintained if the two years which are usually spent in the junior and senior classes in college are applied to additional postgraduate interne training;
- (11) medical students who are 19 years of age usually learn more rapidly than those 22 years of age;
- (12) in medical schools in which there are students with

two, three and four years of college work it is often difficult to distinguish those who have had the different lengths of preparation.

REQUIREMENTS FOR ADMISSION TO ADVANCED STANDING

In addition to the requirements for entrance, an applicant for admission to the third year class must present evidence that he will complete successfully the first and second year curriculum in a class A medical school consisting of: Gross and microscopic anatomy, biochemistry, pharmacology, physiology, gross and microscopic pathology, bacteriology, clinical microscopy, normal and abnormal physical diagnosis. Students who transfer from other medical schools can be admitted into any quarter for which their previous training has fitted them (*see curriculum*). For example, a student who has completed successfully the first and second year curriculum at another medical school is eligible to enter the summer quarter in June and to be graduated in December of the following year, or he can enter the autumn quarter in October and receive the M.D. degree in March or June two years later, depending on whether he attends the intervening summer quarter. Application forms may be obtained by writing to the Dean, Duke University School of Medicine, Durham, N. C.; they will be evaluated and a decision in regard to admission made as described for applications for admission.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN THE SCHOOL OF MEDICINE

Duke University will grant the degree of Bachelor of Science to students who have completed satisfactorily 70 semester hours of college work in Duke University or an acceptable college or university, six quarters in the Duke University School of Medicine, creditable extra work in one or another department and have written a thesis. No credit will be given toward this degree for additional college work. Students who wish to become eligible for this degree should, as soon as possible after admission, arrange a program of extra work with the head of any department they desire.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

Comprehensive group examinations in the preclinical subjects will be given to the students after they have completed six quarters, and in the clinical subjects at the end of the twelfth quarter. These examinations will be held at least twice each year to accommodate students who qualify for them at different times. They will demand a more comprehensive knowledge of medicine than can be obtained from the required courses in the schedule, and it will be necessary for the student to demonstrate that he has utilized profitably his free time. No numerical grades will be given; only the terms "passed" and "failed" will be used. The degree of Doctor of Medicine will be conferred upon those who, after fulfilling all the requirements for entrance, have completed satisfactorily twelve quarters of the curriculum of the School of Medicine and have passed the preclinical and clinical group examinations. Students in any class are admitted on the understanding that only those will be advanced who, in the opinion of the committee on instruction, give promise of being a credit to themselves and the school. At the end of each quarter, the committee on instruction will review the records of all students and those whose progress has been unsatisfactory will be advised to repeat the work of that quarter or to leave the school. Students who have been admitted to advanced standing and those who have studied at other medical schools for part of their course must present evidence that they have completed successfully work comparable to that of the curriculum during the quarters in which they were away.

All students are urged to spend three years in hospital or laboratory work after graduation and they must give assurance satisfactory to the committee on instruction that they will spend at least two years.

CURRICULUM OF THE SCHOOL OF MEDICINE

A year of a student's life can be saved so that it can be applied to postgraduate interne training by condensing the usual four medical school years of thirty-three weeks each into three years of forty-four weeks each. Four terms of eleven weeks will be given each year, commencing October first, with vaca-

tions of one week in December, March and June, and of one month in September, and the degree of M.D., will be granted after the satisfactory completion of twelve terms. These may be taken consecutively (graduation in three calendar years), or three terms may be taken each year (graduation in four calendar years). Such a curriculum will affect in no way the courses at any other medical school. If students who have received their first two years of training at other medical schools wish to spend their clinical years at the Duke University School of Medicine, they are eligible in June or October for the seventh term, which corresponds to the beginning of the usual third year class.

The advantages of this continuous curriculum to the medical student are obvious. He will be one year younger at graduation and will have an additional year for hospital or other training; he will be better prepared, for he will not have lost a fortnight or a month in October of each year getting back into the intellectual stride which had been his in the preceding June, and he will see the clinical material peculiar to the summer months.

The disadvantages to the medical student have been over-emphasized. For example, it is said that he needs four months of vacation. However, practically all medical students at the present time work during their summer holidays; fifty per cent study preclinical or clinical subjects in some place or other and if this time is spent under supervision at a medical school the character of the work will be improved and much valuable time saved. The fifty per cent who earn money during the summer vacations probably can earn more in the year which they will save under the four-quarter system than in the three periods of four months each. The Angier B. Duke Memorial and other loan funds, rather than scholarships, will do much to solve this phase of the problem. It has been said that a medical student cannot endure physically the work of forty-four weeks a year. If so, he probably should enter some less arduous occupation, for as a physician he undoubtedly will have to work as hard or harder for longer than forty-four weeks a year. The total of eight weeks of vacation, which every student will have under the four-quarter system should be sufficient for anyone. The argument that the summer climate of Durham or of any other city would be injurious to medical students is refuted readily by weather statistics, and also by the realization that the major

part of the population remains at work all summer and that practically all the physicians continue their practices. As a matter of fact, if any student prefers to study four calendar years of thirty-three weeks each he can do so under this flexible curriculum. A certain number of students, either through illness or through financial difficulties, probably will be absent one or more quarters, but under this curriculum they can take up their work at the beginning of the next quarter and not lose a whole year as is usually necessary. This irregularity is in itself an advantage, for it will reduce the usual rigid lock-step succession of studies.

Approximately one half of the time in this curriculum is free for elective work or anything else which the student wishes to do. In the first year the greatest amount of free time is concentrated in the latter part of the year in order to give the student a more varied curriculum early in his course and thus enable him to choose elective courses from a wider range of subjects. The summer quarters of the first and third years have been left entirely free in the hope that many of the students will migrate to other medical schools in this country or abroad for elective work, a practice which should be encouraged. The establishment of the four quarter system at Chicago, Northwestern, Tulane and other universities will aid greatly this exchange of students. For students who do not attend the summer quarters, the spring quarters of the second and fourth years are free for the same purpose. The students who do not transfer temporarily to other medical schools may utilize their free time in elective courses in preclinical and clinical departments, may pursue independent work in any subject or may do research work. The elective courses have been organized for small groups and will be repeated if necessary in one or more quarters.

Curriculum of Four Quarters of Eleven Weeks (429 Hours) Each

(The details of courses will be posted on the bulletin board)

		<i>Hours</i>
<i>Autumn quarter (1st)</i> —Oct. 2-Dec. 20, 1930		
Anatomy (including histology)	429	
Free time		0
		0
Total		429

Winter quarter (2d)—Jan. 2-Mar. 21, 1931

Physiology	160	
Biochemistry	144	
Free time		125
		<hr/>
Total		429

Spring quarter (3d)—Mar. 30-June 13, 1931

Pharmacology	56	
Bacteriology	88	
Psychobiology	16	
Free time		269
		<hr/>
Total		429

Summer quarter (4th)—June 22-Sept. 5, 1931

Free time		429
		<hr/>
Total		429

Autumn quarter (5th)—Oct. 1-Dec. 19, 1931

Pathology	288	
Free time		141
		<hr/>
Total		429

Winter quarter (6th)—Jan. 4-Mar. 22, 1932

Clinical microscopy	96	
Medical psychology	16	
Physical diagnosis	160	
Preclinical examinations	39	
Free time		118
		<hr/>
Total		429

Autumn quarter (7th)—Oct. 2-Dec. 20, 1930*

Medicine (junior) (including pediatrics and preventive medicine)	286	
Free time		143
		<hr/>
Total		429

Hours

Winter quarter (8th)—Jan. 2-Mar. 21, 1931*

Surgery (junior)	154	
Obstetrics (including gynecology)	110	
Free time		165
		<hr/>
Total		429

<i>Spring quarter (9th)—Mar. 30-June 13, 1931*</i>		
Specialties (junior)	198	
Free time		231
		<hr/>
Total		429
<i>Summer quarter (10th)—June 22-Sept. 5, 1931*</i>		
Medicine (senior) (including pediatrics and preventive medicine)	286	
Free time		143
		<hr/>
Total		429
<i>Autumn quarter (11th)—Oct. 1-Dec. 19, 1931*</i>		
Surgery (senior)	220	
Free time		209
		<hr/>
Total		429
<i>Winter quarter (12th)—Jan. 4-Mar. 22, 1932*</i>		
Final clinical examinations.....	39	
Free time		390
		<hr/>
Total		429
<i>Summary:</i>		
		<hr/>
Total number of hours of required instruction.....	2,785 (54%)	
Total number of hours of free time.....	2,363 (46%)	
Total number of hours in curriculum.....		5,148 (100%)

Changes from the Four-Quarter Schedule Necessary for Students Who Do Not Attend the Summer Quarters; Third Year Students Admitted on October 1, 1930, Who Do Not Wish to Study During the Summer Quarter in 1931 Will Follow this Schedule Commencing with the Autumn Quarter (10th) of the Fourth Year

FIRST YEAR:

Autumn quarter (1st)—No change from schedule.

Winter quarter (2d)—No change from schedule.

Spring quarter (3d)—No change from schedule.

SECOND YEAR:

Autumn quarter (4th)—Same as fifth quarter in schedule.

* The clinical instruction will be repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth and ninth quarters; and also the order of the tenth, eleventh and twelfth quarters. The dates listed for the seventh to twelfth quarters are for the use of students admitted to the third year class on October 1, 1930. For other students, the seventh quarter usually will be in the spring, the eighth in the summer etc., although this order is not necessary.

Winter quarter (5th)—Same as sixth quarter in schedule except that the preclinical examinations are postponed to the end of the spring quarter and the amount of free time increased correspondingly to 157 hours.

Spring quarter (6th)—Same as fourth quarter except that the preclinical examinations are held and the amount of free time correspondingly decreased to 390 hours.

THIRD YEAR:

Autumn quarter (7th)—Same as seventh quarter in schedule.*

Winter quarter (8th)—Same as eighth quarter in schedule.*

Spring quarter (9th)—Same as ninth quarter in schedule.*

FOURTH YEAR:

Autumn quarter (10th)—Same as tenth quarter in schedule.*

Winter quarter (11th)—Same as eleventh quarter in schedule.*

Spring quarter (12th)—Same as twelfth quarter in schedule.*

SCHEDULE OF INSTRUCTION

(The details of courses will be posted on the bulletin board)

In the clinical years the required instruction in medicine, surgery, obstetrics, gynecology, pediatrics and other specialties will be offered in each of the four quarters. Students may elect the quarters in which they study these subjects, but not more than ten students will be enrolled in surgery or medicine in any one quarter; the names will be accepted in order of application. The schedule on the bulletin board merely illustrates the program for one group. For elective courses, students are referred to the bulletin board.

During the quarter devoted to the specialties, the student group will be divided into five sub-groups, each of which in rotation will spend approximately two weeks in each of the following specialties: Dermatology and syphilis; neurology and psychiatry, urology; orthopedics and physiotherapy; ophthalmology, oto-laryngology and dentistry.

Daily from 12 noon to 1 p. m. during the autumn, winter and spring quarters, the following systematic lectures, clinics or demonstrations, will be given (students are expected to attend

* The clinical instruction will be repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth and ninth quarters; and also the order of the tenth, eleventh and twelfth quarters.

at least three quarters) : Medicine and medical specialties, Wednesdays and Saturdays (3 quarters) ; surgery and surgical specialties, Tuesdays and Fridays (3 quarters) ; obstetrics and gynecology, Mondays (3 quarters) ; pediatrics, Thursdays (2 quarters) ; preventive medicine and public health, Thursdays (1 quarter).

Every Saturday, from 9 a. m. to 1 p. m., varied clinics and demonstrations for students and visiting physicians will be held in medicine, surgery, obstetrics, pediatrics and other specialties.

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the University a loan fund for students. In addition, the University administers other endowed loan funds for the benefit of students who are not able financially to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. No scholarships will be awarded in the School of Medicine. The loan funds are kept by the treasurer as separate and distinct funds from all other endowments and holdings of the University and are used for no other purpose than to aid worthy students of the University. These funds are administered in accordance with the following regulations :

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the committee on instruction.
2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.
3. Every applicant for a loan must present with the application such security as the president of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the treasurer of the University.
4. No loan shall be made to defray any other expenses than those incurred during the academic year for tuition, board and room-rent.
5. Interest at the rate of six per cent annually shall be charged for all loans of money, and the interest must be paid annually.

**INFORMATION AND REGULATIONS CONCERNING
FEES AND EXPENSES**

All fees for each quarter are due and payable at the beginning of each quarter; no student will be admitted to classes until his or her fees have been paid at the university treasurer's office.

Fees and Expenses

Tuition, per quarter	\$150.00
Room rent, per quarter*	50.00
Board, per quarter*	75.00
Laundry, per quarter	10.00 to \$ 20.00
Books, per quarter	10.00 to 20.00
Microscope, each student must own a modern microscope as soon as he matriculates.....	100.00 to 150.00
Damage fee, payable at matriculation and returnable at graduation if no damage occurs	10.00
Athletic fee (optional), admitting students to all athletic contests held on the university grounds, per year	10.00
Estimated total expenses, exclusive of clothes, micro- scope, damage and athletic fees, per quarter (students may study three or four quarters per year)**	
	\$295.00 to \$315.00

* During 1930 and 1931, medical students will have rooms and meals in the Duke Hospital but thereafter they will live in the dormitories and eat at the Union on the campus. All rooms are provided with furniture, heat, water, electric light and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels and pillows.

** Medical students, after their third quarter, are eligible for loans from the Angier B. Duke Memorial and other loan funds.

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