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# New York University

## BULLETIN

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THE  
UNIVERSITY AND BELLEVUE  
HOSPITAL MEDICAL COLLEGE

ANNOUNCEMENTS FOR THE YEAR

1916-1917

SESSION OPENS SEPTEMBER 20, 1916

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## CALENDAR

1916-1917

Session begins,	Wednesday	September 20
Election Day: Holiday,	Tuesday	November 7
Thanksgiving Recess,	Thurs. to Sat.	Nov. 30 to Dec. 2
Christmas Recess,	Sun. to Sun.	Dec. 24-Jan. 7 inc.
Washington's Birthday: Holiday,	Thursday	February 22
Easter Recess,	Fri. and Sat.	April 6-7
Commencement		
Alumni Day,	Saturday	June 2
Baccalaureate Service,	Sunday	June 3
Conferring of Degrees,	Wednesday	June 6

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## GENERAL ANNOUNCEMENT

The University and Bellevue Hospital Medical College was established in its present form and became an integral part of New York University in 1898 by the union of the University Medical College and Bellevue Hospital Medical College. The former was founded in 1841 and the latter in 1861.

The graduates of the former colleges, as well as graduates of the present consolidated college, have been placed on the records of New York University and are entitled to all the advantages of University Alumni. (See page 121.)

The object of the Faculty is now, as it was in the older schools, the professional training of men, most of whom are to devote their energies to the actual practice of medicine. The college will therefore steadfastly adhere to the principles of practical medical education, endeavoring to fit its graduates for the practice of medicine on the basis of a thorough scientific training.

The curriculum has been arranged so as to present a carefully graded course of four years. The work of each year is thoroughly systematized, and correlated subjects are taken up in their proper order. The advantage of a close personal relationship between the members of the Faculty and the individual members of the classes is recognized, and the instruction is so arranged that this relationship may be established to the fullest extent possible.

Clinical and bedside teaching in the college clinic and in the wards of the hospital, systematic section teaching in the practical departments and practical work in the special subjects are emphasized to the greatest possible degree, being conjoined with, and founded upon, practical laboratory work, recitations, and didactic teaching. Attention is especially called to the re-arrangement of the work in the fourth year of the course, which has for its object more definite clinical instruction in all branches of medicine at a time when the students are best prepared to receive it. The re-arrangement also permits of a wider use of the hospital facilities of the city. The erection of the new extension to the Carnegie Laboratory and the enlargement of the college clinic allow of a still further development of laboratory and clinical courses.

It furnishes needed accommodations for the increasing number of students, and renders possible a further extension and elaboration of the laboratory work.

The first and second floors are occupied by an extension of the College Clinic. This gives greatly needed room for the treatment of the sick poor, and the clinical teaching in the different departments. The third floor is devoted to class-rooms and laboratories in Chemistry and adjoins the research laboratories on the corresponding floor of the Carnegie Laboratory Extension. The fourth floor is devoted to class-rooms in bacteriology and is connected with the new research laboratories and preparation rooms in the Carnegie Laboratory Extension. The fifth floor is devoted to pathological histology and is connected with the corresponding laboratory in the New College Building. The sixth floor accommodates the laboratory of microscopical anatomy and an anatomical study room.

The class-room laboratories thus provided are large and commodious, admirably lighted from two sides, and afford exceptional facilities for teaching purposes.

#### *College Clinic*

The College Clinic occupies the ground floor of the main college building, and the first floor and part of the second floor of the New Laboratory and Carnegie Laboratory Extension Building. There are classes for the treatment of general medical and surgical cases and of diseases of the eye, ear, nose, throat and skin, diseases of women and children, and venereal and nervous diseases, etc. The Clinic is one of the largest in New York City for the treatment for the outdoor sick. During the past year over 100,000 cases were treated. This statement affords a good indication of the almost unlimited amount of clinical material which is available for the students of this college for clinical instruction and study. The hour cards for the third- and fourth-year classes are so arranged that in addition to the stated clinics the students are daily occupied in practical clinical work in the College Clinic and in Bellevue Hospital.

#### *College Clinic Operating Room*

Through the friends of the College Clinic, a large operating room has been thoroughly equipped, together with an etherizing room, sterilizing room, and a recovery room for taking care of minor surgical operative cases. The operating room is in charge of a trained nurse, and students of the third and fourth years are assigned to section work for instruction in the administration of anæsthetics, the preparation and sterilization of dressings, and the conducting of such minor surgical operations as can frequently be performed in a physician's office.

#### *The Heye Recovery Ward*

Through the generosity of Mrs. James B. Clemens, a Recovery ward of thirteen beds has been provided for the care of patients requiring anæsthesia. This makes it possible to retain under observation emergency patients and post-operative cases for a period of not longer than forty-eight hours, thereby increasing the efficiency of the College Clinic. The ward is provided with day and night nurses and with a diet kitchen and other conveniences for the care of the patients.

#### *The Edward N. Gibbs Memorial X-Ray Laboratory*

This laboratory, founded by the family of the late Edward N. Gibbs, is attached to the College Clinic, and is conducted to aid the medical and surgical staff of the College Clinic in the diagnosis and study of obscure forms of disease among the poor under treatment. The facilities of this laboratory are used to illustrate the lectures on Roentgenology. It is maintained in the highest degree of efficiency by the founders.

#### *Bellevue Hospital*

A large number of the general clinics and most of the bedside teaching to the fourth-year class are given in the wards of Bellevue Hospital.

The members of the Faculty, who are attending physicians and surgeons to the Hospital, hold regular clinics in the large amphitheatre, and small sections of the classes are taken into the wards, where the students are required to examine patients suffering from

various medical and surgical diseases. Students of the fourth year class are also regularly assigned to the care of cases in the wards under the supervision of the attending and house staffs.

The hospital itself is one of the largest in this country and has always been distinguished for the abundance of its clinical material. The Board of Estimate of New York City authorized a large appropriation for the erection of a new Bellevue Hospital. When completed it will have accommodations for nearly 2,000 patients. The estimated cost is over \$8,000,000. Pavilions A and B of the Medical wing and the entire Surgical wing are now in use.

#### *Requirements for Admission*

##### GENERAL REQUIREMENTS

For sessions 1916-17 and 1917-18 the entrance requirement will be as follows: One year's work of college standard, including Chemistry, Physics, Biology and German or French. This year must be taken subsequent to graduation from a four year high school course registered by the Regents. For announcement of such a one year college course offered by the College of Arts and Pure Sciences see page 87.

##### INCREASE IN REQUIREMENTS

On and after January 1, 1918 (Session 1918-1919), candidates for admission to the Medical College will be required to present, in addition to graduation from a four year high school course, evidence of the completion of two years of college work including at least one year each of Chemistry, Physics, Biology and German or French.

#### *Combined College and Medical Course*

The University Council, upon the recommendation of the Faculties of the College of Arts and Pure Science and of the University and Bellevue Hospital Medical College, has approved a combined college and medical course of six and one-half years leading to the degree of B.S. at the end of four and one-half years and to the degree of M.D. at the end of six and one-half years. The requirements for this combined course, which will be published in the College Bulletin for 1917-18 and which will go into effect in September, 1917, will

enable a student who completes eight college credits in addition to the defined requirements of the Freshman and Sophomore years of the combined course, to obtain the B.S. degree upon the completion of the first two years of the regular course of the University Medical College.

By combining Summer School work with that of the regular college year it will be possible for earnest and able students to complete the combined course and secure the two degrees in six years but the College Faculty strongly advises the average student to remain three full years in college before undertaking the medical course.

#### *Matriculation in the Medical School*

The session commences Wednesday, September 20, 1916, and continues until June 6, 1917.

Each student desiring to matriculate must file at the office of the Secretary of the Collegiate Division or at the office of the Secretary of the Medical College, a matriculation blank accompanied by certificates showing that he has fulfilled the entrance requirements as prescribed on page 20 and must pay the matriculation fee of five dollars.

Students desiring to do special work may matriculate at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation at this College without full compliance with the terms of admission and graduation as set forth in this catalogue.

#### *Admission to Advanced Standing\**

##### REQUIREMENTS FOR ADMISSION TO THE SECOND YEAR

Students who fulfill the following requirements may enter the Second Year:

Students who have attended one or more courses in other medical colleges will be admitted to advanced standing in this College under the following conditions:

1. They must satisfy the entrance requirements of the class to which they seek admission.

\* Students will not be admitted to advanced standing if they have not satisfactorily completed the work in the colleges at which they have taken their previous courses. Students are not admitted to advanced standing in the fourth year.

2. They must present evidence of having satisfactorily completed one full course of instruction in a registered medical college.

3. They must present evidence of having satisfactorily completed laboratory courses in Microscopic Anatomy (including Embryology) Chemistry, and Dissection, approximately equivalent to those included in the curriculum of this College during the first year, and,

4. They must pass examinations upon Gross Anatomy, Chemistry and Physics, and Microscopic Anatomy, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the Faculty.

#### REQUIREMENTS FOR ADMISSION TO THE THIRD YEAR

Students who fulfill the following requirements may enter the Third Year without conditions:

1. They must satisfy the entrance requirements of the class to which they seek admission.

2. They must present evidence of having satisfactorily completed two full courses of instruction in an accredited medical college.

3. They must present evidence of having satisfactorily completed laboratory courses in Normal and Pathological Histology, Bacteriological Technique, Chemistry, Physiology, Bacteriology, and Pharmacology, approximately equivalent to the courses included in the curriculum of this College, and they must also have completed two courses in Dissection, and

4. They must pass examinations in Anatomy,\* Physiology,\* Chemistry,\* Pharmacology, General Pathology, and Bacteriology, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the Faculty.

#### REQUIREMENTS FOR ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue a special course and are not candidates for a degree, are admitted to registration as special students without the Regents' or other preliminary

\* Students who have passed in the subjects of anatomy, chemistry and physiology before the Licensing Board of the State of New York are exempt from further examination in these subjects. (See page 83.)

examination. Such special courses do not count in any way as a part of the four years' course of instruction, etc., required of candidates for the degree of doctor of medicine. Further information regarding such courses, fees, etc., may be obtained on application.

*Examinations for admission to advanced standing will be held at Carnegie Laboratory, 338 East Twenty-sixth Street, New York, on September 14, 15 and 16, 1916.*

#### REQUIREMENTS FOR ADVANCEMENT IN COURSE

Students are advanced from one year to the next upon passing satisfactory examinations at the close of the session. As in the academic departments of universities, the work of each year is considered final. There is no unnecessary repetition of subjects taught from year to year. Students who fail to pass the examination satisfactorily at the close of any year may be conditioned or rejected. If conditioned, an opportunity is afforded at the beginning of the next college year to make up these conditions. A student who fails on re-examination to remove conditions may be allowed to pass on to the next year if his general average in the other subjects of the year is sufficiently high to entitle him to this privilege, otherwise he must repeat the work of the year. If rejected the *entire work* of the year must be repeated. A student who has been once rejected in his examinations, and again fails, after repetition of the work, will be ineligible to further instruction in this College.

#### EXAMINATION RULES FOR STUDENTS

1. Notes or text-books are not to be brought into the examination rooms. The use of notes or text-books either brought from without or obtained within the examination room, as well as the giving or receiving of information during the examination, is an offense punishable by expulsion from the College.

2. If, during the course of an examination, the behavior of a student is such as to arouse suspicion of wrong doing, the Proctor in charge is given authority to make such investigation at the time as in his opinion he may deem necessary, and will report promptly the facts relating thereto, to the Committee on Examinations.

## REQUIREMENTS FOR GRADUATION. SESSION 1916-1917

Students who have completed all the work required in the first three years, and have been admitted to the fourth-year class, may become candidates for graduation under the following conditions:

1. They must have followed the curriculum for the fourth year, page 28.
2. They must, as required by law, have reached the age of twenty-one years, and must file satisfactory certificates of good moral character and of four years' study of medicine. (Blank forms of certificates of age and of moral character will be furnished by the Secretary on application.)
3. They must have filed a certificate from a recognized institution, that they have attended at least ten cases of labor.
4. They must have filed with the Secretary of the Faculty the Regents' Medical Students' Certificate as evidence of having complied with the requirements for admission. (See page 83.)

Candidates are examined on the following subjects: Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, and Therapeutics, and on the special branches of Medicine and Surgery. (See page 31.)

*Course of Study*

The course of study required of all students who are candidates for the degree of M.D. extends over four years.

The session begins Wednesday, September 20, 1916, and will continue until June 6, 1917.

All work in the curriculum set forth below in outline is required unless especially marked as optional.

When instruction in any subject is continued for two or more years, the instruction given in each year is different, and students are required to pass satisfactory examinations at the end of each session before taking up the work of the following year.

The Faculty reserves the right to terminate the connection of any student with the institution at any time on the ground of what it regards as moral or mental unfitness for the profession, or improper conduct while connected with the College.

Schedules of the exercises for each year are distributed at the beginning of the session.

The right is reserved to make at any time such alterations or additions to this curriculum as may be found desirable or necessary.

## OUTLINE OF THE CURRICULUM

## First Year

## ANATOMY.

Lectures, one a week, throughout the session.

Laboratory work. Gross Anatomy and Gross and Microscopical Neurology, five two-hour and two three-hour exercises weekly throughout the session.

Microscopical Anatomy and Embryology, three three-hour exercises weekly in the first half, and two three-hour exercises in the second half of the session.

Recitations, three a week throughout the session.

## CHEMISTRY.

Lectures, three a week throughout the session.

Recitations, one a week throughout the session.

Laboratory work, three hours a week, in sections, throughout the first term, and five hours a week throughout the second term.

Recitations on laboratory work, one a week throughout the session.

## Standing of a Student at the End of the First Year

The standing of a student at the end of the first year is determined by:

- (a) A written examination on the topics covered by the courses of instruction in Gross Anatomy, Chemistry and Physics and Microscopical Anatomy.

- (b) A practical examination in Anatomy and the Laboratory Courses given.

- (c) A record of his practical work and recitations.

## Second Year

## PHYSIOLOGY.

Lectures, six a week in first half of the session.

Recitations, five a week during first half of the session.

Laboratory work, six hours each week during first half of the session.

Conferences, one each week during the second half of the session.

## PHYSIOLOGICAL CHEMISTRY AND TOXICOLOGY.

Lectures, three a week throughout the first half of the session.

Recitations, one a week throughout the first half of the session.

Laboratory work, six hours a week throughout the first half of the session.

**PATHOLOGY.**

Lectures and practical laboratory work in Pathological Histology, nine hours a week during second half of the session.

Recitations, two a week during second half of the session.

**MATERIA MEDICA AND PHARMACOLOGY.**

Lectures, five a week throughout the second half of the session.

Recitations, three a week throughout the second half of the session.

Laboratory work, two three-hour exercises a week throughout the second half of the session.

**PATHOLOGICAL PHYSIOLOGY.**

Optional laboratory seminar, three hours a week during the second half of the session.

**BACTERIOLOGICAL TECHNIQUE AND STUDY OF IMPORTANT PATHOGENIC BACTERIA AND PROTOZOA.**

Laboratory work, six hours a week during one-half of the session.

Lectures, one hour a week throughout one-half of the session.

**SURGERY.**

Operative Surgery, two hours a week during second half the session.

Surgical Anatomy, one hour a week during the first half of the session. Bandaging and Surgical Dressing one hour a week in sections during first half of the session.

Principles of Surgery one recitation a week one-half the session.

**MEDICINE.**

Recitations, one a week during second half of the session.

**PHYSICAL DIAGNOSIS.**

Practical work, in sections, during second half of the session.

**CLINICS.**

Elementary Medical Clinic, one a week during second half of the session.

Elementary Surgical Clinic, one a week during second half of the session.

**Standing of a Student at the End of the Second Year**

The standing of a student at the end of the second year is determined by:

(a) Final examinations covering the entire subjects of Physiology, Physiological Chemistry and Toxicology, Physical Diagnosis, Materia Medica and Pharmacology, Bacteriology, Surgical Anatomy and an examination on the topics covered during the year in General Pathology.

(b) Practical examinations in Physiology, Pharmacology, Physiological Chemistry, Pathological Histology and Histology of Nervous System.

(c) A record of his practical work and recitations.

**Third Year****MEDICINE.**

Lectures, one a week throughout the session.

Recitations, three a week throughout the session.

Clinical Lectures in Bellevue Hospital, two a week throughout the session.

Section teaching in the College Clinic, two hours a week throughout the session.

Clinical Lecture in the College one a week throughout the session.

**SURGERY.**

Lectures, two a week throughout the session.

Recitations, two a week throughout the session.

Clinical Lectures, two a week, in Bellevue Hospital, throughout the session, so arranged as to present the important surgical cases to be found in the Hospital and one a week in the college.

Section teaching in the College Clinic, two hours a week throughout the session.

Clinical Lecture in the College one a week throughout the session.

**GENITO-URINARY SURGERY.**

Lectures, one a week during the second half session.

**PEDIATRICS.**

Clinical Lectures, one a week throughout the session.

Recitations, one a week throughout the session.

**OBSTETRICS.**

Recitations, two a week throughout the session. The class is divided into two sections and each section has two recitations a week.

Definite lessons are assigned from a text-book and must be prepared.

Conferences, with a review of the recitation work once or twice a month, during the session.

An examination will be held at the end of the first half of the session and again at the end of the year.

**GYNÆCOLOGY.**

Recitations or demonstrations, one a week throughout the session.

Section teaching in College Clinic and Out-Patient Department of Bellevue Hospital.

**THERAPEUTICS.**

- Lectures, one a week throughout the session.  
 Recitations, one a week throughout the session.

**MATERIA MEDICA AND PHARMACOLOGY.**

- Lectures, or recitation, one a week during the first half of the session.

**APPLIED PATHOLOGY, INCLUDING CLINICAL MICROSCOPY.**

- Laboratory work, two hours a week for the first half of the session.  
 Recitations, one a week for the first half of the session.

**PATHOLOGICAL ANATOMY.**

- Museum work, two hours a week, throughout the session.  
 Exhibition of fresh specimens and preparation of sections for histological diagnosis.

**HYGIENE AND APPLIED BACTERIOLOGY.**

- Laboratory work and inspections, two hours a week throughout the session.  
 Lectures, one hour a week throughout the session.

**SECTION TEACHING.**

1. Physical and Medical Diagnosis. 2. Surgical Diagnosis and Minor Operative Surgery. 3. Gynæcological Diagnosis. 4. Practical Therapeutics.

**Standing of a Student at the End of the Third Year**

The standing of a student at the end of the third year is determined by:

- (a) Written examinations on the instruction given in Medicine, Surgery, Obstetrics, Gynæcology, Therapeutics, Pediatrics, Pathology, Bacteriology and Hygiene.  
 (b) Practical examinations in Applied Pathology and Gross Pathology.  
 (c) A record of all recitations and practical work in the section classes.

**Fourth Year****MEDICINE.**

- Clinics, two a week throughout the session.  
 Section teaching in Bellevue and other Hospitals.  
 Individual study of assigned cases in Bellevue Hospital and the College Clinic.  
 Methods of History Taking and Clinical Laboratory.  
 Conferences in Bellevue Hospital, two a week.  
 Recitations, two a week.

**SURGERY.**

- Clinics, two a week throughout the session.  
 Section teaching in Bellevue and other Hospitals, so arranged as to present the important surgical cases of the Hospital.  
 Individual study of assigned cases in Bellevue Hospital and the College Clinic.  
 A Laboratory Seminar, four hours a week in sections during the first half of the session. A limited number of students will be permitted to take this course and the work done will count towards the degree.  
 Instruction in Anæsthesia.  
 Recitations, two a week.

**GENITO-URINARY SURGERY AND DISEASES.**

- Lectures or recitations and clinics, one a week.  
 Section teaching in the Hospital Wards, the College and Hospital Dispensary Clinics.

**ORTHOPEDIC SURGERY.**

- Clinical Lectures, thirty-two.  
 Section teaching in the College Clinic and at the Montefiore Home.

**PEDIATRICS.**

- Section teaching. Bedside instruction (weekly) in the diagnosis and treatment of diseases of children in the Presbyterian Hospital, N. Y. Foundling Hospital, Willard Parker, Roosevelt and Riverside Hospitals, by Professors Northrup, Freeman and Nicoll. Instruction in milk modification for the feeding of infants and young children. Prof. Freeman.  
 Instruction in intubation, second half session, Dr. O'Dwyer.

**OBSTETRICS.**

- Lectures. A lecture or recitation will be given once a week during the first part of the session.  
 Clinics. A clinic to be held either at the Manhattan Maternity Hospital, 327 East 60th Street, or in the amphitheatre of Bellevue Hospital may be substituted for the lectures whenever suitable material is available, once a week for the first half of the session.  
 Section teaching in small classes of 4 to 5 men, once a week at the Manhattan Maternity Hospital, or at Bellevue Hospital, first half of the session.  
 Manikin Work will be given during the first half of the session in small sections of the class.

## GYNÆCOLOGY.

Section teaching in Operative Gynæcology, and Gynæcological Diagnosis in Bellevue Hospital, twice a week.

## THERAPEUTICS.

Section teaching in Applied Therapeutics in the hospital wards and the College Clinic.

Prescription writing and compounding, one a week, first half session.

Conference, one a week, first half session.

Lectures, six during second half session.

## PATHOLOGY.

Autopsies, at least once a week, attended in sections.

## APPLIED PATHOLOGY including CLINICAL PATHOLOGY.

Laboratory Work, twelve hours a week for eight weeks.

Recitations, two hours a week for eight weeks.

## PATHOLOGICAL CHEMISTRY.

Herter Lectures.

## NERVOUS DISEASES.

Lectures or Clinics, two a week, first half session.

Section teaching in Bellevue Hospital and the College Clinic, including Electro-Therapeutics.

## MENTAL DISEASES.

Lectures, sixteen. Clinics, sixteen, Manhattan State Hospital.

## DERMATOLOGY.

Lectures, one a week throughout the session.

Section teaching in the College Clinic.

## OPHTHALMOLOGY.

Lectures, two a week, first half session.

Section teaching in the College Clinic.

## OTOLOGY.

Lectures, one a week, first half session.

Section teaching in the College Clinic.

## LARYNGOLOGY AND RHINOLOGY.

Lectures, sixteen.

Section teaching in the College Clinic.

## SHORT COURSES OF LECTURES OR DEMONSTRATIONS ON FOLLOWING SPECIAL SUBJECTS:

Medical Jurisprudence.

X-Ray Technique.

Sanatorium Treatment of Tuberculosis.

Life Insurance Examination.

Ethics in Medicine.

## LABORATORY WORK.

The Clinical Laboratory will be open daily for the examination of blood, sputa, urine, etc., by students studying cases in the various section classes.

The Physiological Laboratory will be open to students desiring to do special work in physiological research.

The Chemical Laboratory will be open, when not occupied by the regular classes, to students desiring to do special work in chemistry.

The Pathological Laboratory and Museum are open to students desiring facilities for the examination of tissues from the hospitals, College Clinic and autopsies, or wishing to undertake original research.

## Standing of a Student at the End of the Fourth Year

The standing of a student at the end of the fourth year is determined by:

(a) Written examinations in Medicine, Surgery, Obstetrics, Gynæcology, Pediatrics, Therapeutics and Clinical Pathology.

(b) Practical examinations may be held in addition to a written in any subject when deemed necessary by the Faculty.

(c) Written examinations in Nervous Diseases, Mental Diseases, Dermatology, Otolaryngology, and Laryngology. These topics are covered by one paper.

(d) A written examination in Orthopedic Surgery, Military Surgery, Genito-urinary Surgery and Diseases, and Ophthalmology. These topics are covered by one paper.

(e) Record of work in recitations, hospital ward work, section classes and reports at conferences.

## TABULATED SUMMARY OF STUDIES

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Chemistry, L. 96, R. 32, L. W. 128, L. R. 32.	Physiol., L. 96, R. 80, L. W. 96, Conf. 16.	Medicine, L. 32, R. 96, S. 64, C. 96.	Medicine, S. 108, C. 64, R. 60.
Gross Anat. & Gross & Micros. Neurol., L. 32, R. 96, L. W. 480.	Physiological Chemistry, L. 48, R. 16, L. W. 96.	Surgery, L. 64, R. 64, S. 64, C. 96.	Surgery, S. 108, C. 64, Conf. 32, R. 60.
	Mat. Med. & Pharmacol., L. 80, R. 48, L. W. 96.	Obstetrics, L. 64, R. L. I. H., 3 weeks	Obstetrics, L. 16, R. 16, D. 2. Op. O. 6.
Microscopical Anatomy & Embry., L. W. 240.	Gen'l Path., L. & L. W. 144, R. 32.	Gynæc., R. and D. 32, S. 12.	Gynæc., C. 32, S. 20, R. 16.
	Bandaging, 16.	Therap., L. 32, R. 32.	Therap., Conf. 16, L. 6.
Phys. Diag., 48.	Path. Anat., D. 64.	Applied Pathology, R. 16, L. W. 32.	Optth., L. 32, S. 12.
Medicine, C. 16.	Applied Pathology, R. 16, L. W. 32.	Pediat., L. 32, R. 32.	Applied Pathology, R. 16, L. W. 96.
Surgery, C. 16, R. 16.	Hygiene, L. 32, L. W. 64.	G. U. Surg. L. 15	Path. Chem., L. 6.
Bact., L. 16, L. W. 96.			Hygiene, L. 8.
Path. Phys., L. W. 48.			Autopsies, S. 6.
Op. Surg., L. W. 32.			Gen. Ur. Surg., L. 40, S. 12.
Surg. Anat., L. 16.			Orthopedic Surg., L. 32, S. 6.
			Neurol., L. 32, S. 12.
			Pediat., L. 32, S. 12.
			Otol., L. 16, S. 12.
			Laryngol., L. 16, S. 16.
			Mental, L. 16, C. 16.
			Derm., L. 24, S. 12.
			Special Subjects, 30, Lectures.

L = Lecture. R = Recitation. D = Demonstration. L. W. = Laboratory Work. C = Clinic. S = Section Teaching. Conf. = Conference. Ex. = Exhibition. Op. S. = Operative Surgery. Op. O. = Operative Obstetrics. L. I. H. = Lying-in-Hospital. The figures indicate the number of hours per session.

## Special and Graduate Courses

Special courses of instruction have been arranged for graduates in medicine. The courses are planned to occupy about six weeks each, but it may be possible for two, or perhaps more, of the courses to be taken at the same time. Special provision has been made for those who do not wish to take the entire course, but to select certain topics only from each course. (Page 67.)

## Methods of Instruction

## ANATOMY

## First Year

- I. GROSS ANATOMY. Laboratory. Dissection of the entire body. Sixteen hours a week with recitations throughout the session, except during the time occupied by Course III. Professor Senior, Drs. Hoskins, Eisberg and Crossman.
- II. MICROSCOPICAL ANATOMY, ADULT AND EMBRYONIC. Laboratory. Consists of a preliminary study of the general processes of development in vertebrates, and of the structure of the human tissues. This is followed by a study of the adult organs, fresh and in microscopic sections, and of the developing organs of the pig. In sections nine hours a week during the first half session, six hours a week during the second half session, with recitations. Professor Thyng and Dr. Conel.
- III. NEUROLOGY, INCLUDING ORGANS OF SPECIAL SENSE, GROSS AND MICROSCOPIC. Laboratory, sixteen hours a week, with recitations during the last six weeks of the second half session. Entire Staff.
- IV. PRACTICAL MICROSCOPICAL TECHNIQUE. Optional course for selected students. Saturday afternoons. Professor Thyng and Dr. Conel.

## Second, Third and Fourth Years

Facilities are available to senior students, and to recent graduates for advanced work in Anatomy. The courses consist of laboratory work with such informal help in the selection of literature and preparation of material as may be necessary; there are no fees. The following courses are offered:

- I. ANATOMY OF THE SPECIALTIES, GROSS AND MICROSCOPIC. Nervous system, special sense organs, generative organs, etc.
- II. EMBRYOLOGY.
- III. TOPOGRAPHICAL ANATOMY. By means of frozen sections.

### Facilities

The Dissecting Room occupies the entire top floor of the new College Building and is well lighted and ventilated, and is open between the hours of 8 A.M. and 5 P.M. daily. On Saturdays, during the first half session, it is closed for cleaning between 8 A.M. and 1 P.M. and during the second half session between 1 P.M. and 5 P.M.

The microscopical laboratory and anatomical study room are on the top floor of the new laboratory building. There are smaller laboratories for advanced work on the top floor of the Carnegie Laboratory building.

Abundance of fresh and well-preserved material is supplied for dissection.

RESEARCH WORK.—Facilities will be provided for students and graduates who wish to do special or advanced work in anatomy.

## PHYSIOLOGY

### Second Year

- I. LECTURES.—Six a week throughout the first half of the session. In this course the whole subject of physiology is presented on broad scientific lines. The lectures are illustrated by experiments and demonstrations, for which purpose the Department of Physiology is fully equipped with modern apparatus. Professor Jackson.
- II. RECITATIONS.—Five a week throughout the first half of the session, on the topics covered by the lectures. Assistant Professor Ewing and Dr. Prewitt.
- III. PRACTICAL WORK.—Six hours a week of work in the laboratory, during which the student will be instructed in some of the methods of physiological experimentation, and will make personal observations and deductions from the experiments which he has performed. At the end of the period, a discussion occurs concerning his results and the accuracy of the reasoning upon which his deductions were founded. The subject matter of the course is as follows:

Frog's muscle: Electrical stimulation; strength of make and break contractions; relation of strength of stimulus to reaction; elasticity; mechanical work; genesis of tetanus; influence of temperature; fatigue; electrotonus; demonstration of Pflueger's laws and of electrical variation in the muscle by the capillary electrometer. Mechanical circulation scheme; circulation in the frog's web. Turtle heart: Effect of the vagus; relation of auricular to ventricular cycles; production of extra systole and compensatory pause; effect of salts, all or none law. Vaso-motor changes in the kidney and intestine determined by the plethysmo-

graph and oncometer. Cervical sympathetic; effect on the pupil and vaso-motor mechanism of the ear; nicotine on synapses. Respiratory and blood-pressure mechanisms: Effect of the vagus, sciatic, and superior laryngeal nerves and sensory surfaces. Electrical stimulation of human nerves. Reaction time and knee jerk. Study of fatigue by the ergograph. Eye: Work in perimeter; color vision; optical principles and defects as deduced from the mechanical eye. Tracings from sphygmograph and cardiograph. Taste, smell, touch and pain sensations. Spinal and decerebrate frogs. Blood pressure in man. Professor Jackson, and Drs. Ewing and Prewitt.

- IV. CONFERENCES.—One hour a week, during the second half of the session. Certain selected students read papers upon assigned subjects, the literature of which has been carefully reviewed by them. Informal discussion by the class follows. Professor Jackson.
- V. RESEARCH WORK.—Students and graduates in medicine with sufficient qualifications will be afforded every opportunity to engage in special or advanced work. Professor Jackson.
- VI. PATHOLOGICAL PHYSIOLOGY.—Optional work in the laboratory, four hours per week, during the second half of the session. Study of impaired function produced experimentally. See page 39. Dr. Ewing.

### Facilities

Aside from the laboratory in which the required practical work is carried on, the department provides rooms for more advanced work. The department is amply supplied with apparatus for the required laboratory work, for demonstrations and for research.

## CHEMISTRY

### First Year

- I. LECTURES.—Three lectures a week throughout the session, divided into the following successive courses:
  - A. PHYSICAL CHEMISTRY.—A detailed discussion of the laws governing chemical phenomena such as Kinetic theory, Diffusion, Osmosis, Electrolytic ionization, Dissociation, Hydration, Surface tension, Colloidal states, Determination of H ion concentration, Electro-chemistry, Thermo-chemistry, chemical dynamics and equilibrium and description and use of special instruments used in biological research. Assistant Professor Gettler.

- B. ORGANIC CHEMISTRY.**—In this course, the theoretical considerations introduced in course A will be applied to the complex compounds of carbon forming organic substances, the physical and chemical properties of which will be discussed. The homologous series of compounds forming the aliphatic, isocarbocyclic and heterocyclic groups, and their derivatives, will be discussed. Professor Mandel.
- II. RECITATIONS.**—One a week throughout the session, on the topics covered by the lectures. Professor Mandel.
- III. LABORATORY WORK.**—Three hours a week throughout the first term, and five hours a week throughout the second term, the class being divided into sections. During this course, practical instruction is given in physical chemistry quantitative analysis, both volumetric and gravimetric and organic preparations and reactions. Assistant Professor Gettler.

#### Second Year

- I. LECTURES.**—Three a week throughout the first term, embracing the following courses:
- C. ORGANIC CHEMISTRY.**—This course constitutes a review of course B, given during the first year. Professor Mandel.
- D. PHYSIOLOGICAL CHEMISTRY.**—This course will include a discussion of the following subjects: The chemical composition of the animal body; proteins; carbohydrates and fats; the chemistry of the animal cell; the chemistry of blood and other animal fluids; enzymes; the chemistry of digestion, assimilation, metabolism and foods; secretion and excretion, and the chemistry of some of the morbid conditions, especially those affecting the character of the urine, will be given in detail. Professor Mandel.
- E. TOXICOLOGY.**—This course will include the classification of poisons and their chemical and physiological detection and identification; the effects of and antidotes for the corrosive, metallic, and organic poisons, and the occurrence and production of poisonous substances within the body or in articles of food. Professor Mandel.
- II. RECITATIONS.**—One a week throughout the first term, on the topics covered by the lectures. Professor Mandel.
- III. LABORATORY WORK.**—Six hours a week throughout the first term. Practical instruction will be given, as far as possible, upon the subjects covered by the lectures, including the analysis of urine. Assistant Professor Gettler.

#### Facilities

The Chemical Department is equipped with apparatus and a collection of chemicals, with which the lectures are abundantly illustrated by experiments and demonstrations. The Chemical Laboratory is well supplied with most recent appliances and fixtures, and every facility is given the student to acquire a practical knowledge in chemical manipulations and testing. A small working library of chemical work or reference is also accessible to the students.

Facilities will be accorded to those students who desire to do advanced work in chemistry under the direction of the Professor of that Department.

### MATERIA MEDICA AND PHARMACOLOGY

#### Second Year

- I. LECTURES.**—Five a week throughout the second half of the session. In this course a systematic and detailed study of the various drugs used in therapeutics is taken up. This comprises a study of the physical and chemical properties of drugs; their action on the body, as medicines or poisons; the indications for their use, based on their actions, and the forms and dosage in which they are prescribed. Toxicology, including symptoms and treatment, is also fully entered upon. The lectures are illustrated wherever possible, by experiments and demonstrations. Professor Wallace.
- II. RECITATIONS.**—Three a week throughout the second half of the session, on the subjects discussed in the lectures. Professor Wallace and Pellini.
- III. LABORATORY WORK.**—Two three-hour exercises a week throughout the second half of the session. Part of the time is spent in making pharmacopœial preparations, writing and preparing prescriptions, and studying incompatibilities. The remainder of the time is devoted to Pharmacodynamics, the students investigating the actions and effects of the more important drugs by means of animal experiments. Professor Wallace and Dr. Pellini.

#### Facilities

An adequate supply of apparatus and material is furnished for the experimental work. The laboratory is well equipped with a large assortment of drugs and their preparations, and apparatus necessary for pharmaceutical and chemical work.

## THERAPEUTICS

## Third Year

- I. LECTURES.—One a week throughout the session. In this course there will be a systematic consideration of the use of drugs in the treatment of disease and the principles and applications of other therapeutic measures. Professor Wallace and Dr. Wyckoff.
- II. RECITATIONS.—One a week throughout the session, covering the subject discussed in the Lectures. Dr. Wyckoff.

## Fourth Year

- I. Lectures on applied therapeutics, including electro-therapeutics, hydrotherapy, massage, etc. Professor Brown.
- II. PRACTICAL WORK.—In connection with the bedside teaching in clinical medicine in Bellevue Hospital and College Clinic every opportunity is afforded for a thorough training in practical therapeutics. Professor Brown and Dr. Wyckoff.
- III. CONFERENCES.—Reports on assigned cases in the Hospital and College Clinic will be presented at these conferences, and the indications for treatment especially considered. The comparative value of the various medicinal and therapeutic means generally employed in the treatment of different diseases will be fully discussed. Prescription writing and compounding. Professor Brown and Mr. Raymond.

## PATHOLOGY

## Second Year

- I. LECTURES AND LABORATORY WORK.—Nine hours a week are devoted to lectures and practical laboratory work in Pathological Histology during the second half of the term. The course is intended to emphasize the relationship of the subject to clinical medicine. Each student receives, mounts and retains permanently a collection of about 150 stained celloidin sections illustrating the essentials of General and Special Pathology including infiltrations, degenerations, and necroses, inflammation and the infective granulomata, the pathological pigmentations, tumors, and the Special Pathology of the meninges, cord and brain, the heart and pericardium, lungs and pleura, kidneys, pancreas, liver, gastro-intestinal tract, thyroid, uterus, prostate, bone marrow, spleen and lymph nodes. The study of each slide is preceded by a lecture embodying the theoretical and practical considerations of the subject at hand, and the student is trained to observe and correlate histological

details and to depict them in colors. Specially stained demonstration preparations illustrating rarer changes are studied as occasion requires. From time to time fresh specimens from autopsy or operation, or permanent Kaiserling mounts, are shown in conjunction with the histological sections.

Each student receives a complete set of printed notes on the various subjects treated in the lectures and illustrated by the microscopical sections. Associate Professor Symmers and Drs. Dunlap, Alexander and Frank Fraser, and Herzfeld.

Provision may be made for a limited number of students still further to pursue work in Pathological Histology, material for which is available in abundance from Bellevue and Allied Hospitals, St. Vincent's Hospital, and other sources.

- II. RECITATIONS.—Two weekly during the second half of the term on the subjects of the lectures and laboratory work. Drs. Alexander and Frank Fraser.

## Experimental Pathology

- I. LECTURES.—One a week during the second semester to the entire second-year class. The subject matter will be the functional basis of symptoms. Dr. Ewing.
- II. LABORATORY WORK.—Four hours a week during the second semester, to selected members of the class. Pathologic conditions, experimentally produced, are studied from both the morphological and functional standpoint. The work is correlated, as far as possible, with the course in Pathological Histology. Subject matter: inflammation; degeneration and necrosis; pigmentation; embolism and infarction; cardiac valvular lesions; cardiac overstrain; cardiac arrhythmias; increased intracranial tension; hydrothorax, pleurisy, pulmonary oedema, etc.; vascular and tubular nephritis; pyonephrosis, hydronephrosis, etc.; pancreatitis and diabetes; extirpation of the ductless glands; biliary obstruction; intestinal obstruction; acidosis, oedema; anemia. Dr. Ewing, with the assistance of Dr. Fraser.
- III. CONFERENCES.—Results of the work in the laboratory will be systematically presented and discussed.

## Third Year

## Pathological Anatomy

- I. DEMONSTRATION: The class is divided into small sections, each of which attends twice weekly for sixteen weeks, receiving demonstrations of

material freshly removed at autopsy or operation, supplemented by specimens from the museum, many of which have been preserved in their original colors by the method of Kaiserling. The students receive close individual instruction and are required to make frozen sections, to stain them by the commoner methods and to apply special stains for connective tissue, fat, etc. Dr. Frank Fraser.

- II. Demonstrations of museum material are provided twice weekly throughout the session and the students are given systematic instruction in the Pathological Anatomy of practically every organ in the body. Dr. Alexander Fraser.

#### Applied Pathology and Clinical Microscopy

- I. LABORATORY WORK.—Two hours a week, for the first half of the session, are devoted to practical instruction in the microscopical and chemical examination of urine, sputum, blood, vomitus and stomach contents, fæces, inflammatory exudates, etc., with a view to the application of the results in diagnosis. Bacteriological and serological methods are also taught when serviceable. Assistant Professor Arthur Mandel and Dr. F. G. Schaible.
- II. RECITATIONS.—One hour a week is devoted to a recitation from a text-book upon clinical diagnosis and upon the methods used in the laboratory work and the interpretation of results. Assistant Professor Mandel.

#### Fourth Year

##### Gross Pathology

- I. AUTOPSIES.—Each student is required to perform one or more autopsies. For this purpose at least two exercises are provided each week, throughout the first half of the session, and are attended by the students in sections. At these autopsies the students are required to make a systematic examination of the body. Associate Professor Symmers and Dr. Alexander Fraser.

##### Applied Pathology

- I. LABORATORY WORK.—Twelve hours a week for eight weeks are devoted to practical instruction in microscopical and chemical examinations of urine, sputum, blood, vomitus and stomach contents, fæces, inflammatory exudates, etc., with a view to the application of the results in diagnosis. Bacteriological and serological methods are also taught when serviceable. Assistant Professor Arthur R. Mandel and Dr. F. G. Schaible.

- II. RECITATIONS.—Two hours a week for eight weeks will be devoted to recitations from a text-book upon Clinical Diagnosis and upon the methods used in the laboratory work. Assistant Professor Mandel.

#### Facilities

The Pathological Department is equipped with a well-stocked and steadily enlarging museum of morbid specimens, with laboratories in which such specimens are prepared for the museum, and with a clinical laboratory fitted for the examination of material from the Hospital and College Clinic.

The Clinical Laboratory is open to those students of the fourth year who are required to make examinations of material from cases in the Hospital or the College Clinic in connection with their section teaching in clinical medicine and surgery. It is provided with the necessary equipment for the examination of urine, sputa, blood, inflammatory exudates, etc., contains a small working library, and the instructors in Clinical Microscopy and Pathology will assist the students in applying the appropriate methods of examination and in planning such original investigations as they may desire to undertake.

RESEARCH WORK.—Properly qualified students or graduates in medicine will be afforded every opportunity of carrying on special or advanced work along morphological or experimental lines. Associate Professor Symmers.

#### BACTERIOLOGY AND HYGIENE

##### Second Year

- I. PRACTICAL WORK.—Three hours, twice a week, during one half of the session. In this course the students are taught first the technique of bacteriological examinations; the methods of obtaining pure cultures of bacteria and of studying species after their isolation. Later they study the pathogenic bacteria and protozoa which are of medical importance and not infrequent in occurrence. The development of antitoxins, opsonins, immune bodies and agglutinins and the methods used in estimating them are studied. The laboratory course includes the practical application of bacteriology to the diagnosis, course and treatment of disease, and includes the examination of sputum, pus, blood, fæces, milk, water, disinfectants, etc. Assistant Professor Krumwiede, and Drs. Noble and Clifton.
- II. LECTURES.—One hour a week, one half the session. Assistant Professor Wilson.

## Third Year

- I. APPLIED BACTERIOLOGY AND LABORATORY WORK.—Two hours a week, one-half the session. The relations of bacteriology to the prevention of disease will be especially dwelt upon. Opportunity will be given to visit the Department of Health and other places of interest. The student will also have an opportunity to witness the practical methods of preparing and testing diphtheria antitoxin, the other protective sera, and the bacterial vaccines as well as the vaccines for hydrophobia and smallpox. Professor Park and Krumwiede and Drs. Zingher and Noble.
- II. HYGIENE.—The control of communicable diseases; infant welfare work; school, industrial and personal hygiene; Public Health administration; Vital Statistics Water and Milk supplies; ventilation and disinfection will be carefully considered.

LECTURES.—One hour a week throughout the session.

FIELD WORK AND QUIZZING.—Two hours a week one-half the session. Professors Park, Mandel, Wilson, Krumwiede, and Drs. Baker, Noble, Bowles, Armstrong, Bolduan and McMillan and special lecturers.

## MEDICINE

## Second Year

- I. ELEMENTARY CLINIC.—Once a week, during the second half of the session, an elementary clinic is held, at which the students are taught to consider cases of disease as illustrating departures from the physiological condition. The course is intended to introduce to the students cases of disease in which there are clearly defined manifestations of disturbances in the functions of some particular organ or system of organs. Professor Wallace.
- II. RECITATIONS.—One a week for one-half the session. Dr. L. B. MacKenzie.
- III. PHYSICAL DIAGNOSIS.—Practical exercises in the methods of physical diagnosis. For this work the class is divided into sections. Drs. Wyckoff, Sturtevant, Friedman and Tyson.

## Third Year

- I. LECTURES.—One lecture a week throughout the session. In this course thorough consideration will be given to all of the more important diseases. Professor Brooks.

- II. RECITATIONS.—Three a week covering the matter considered in the lectures, will be held by Professors Brooks and Carlisle, and lecturers and instructors in Medicine.
- III. CLINICS.—Two clinics a week in Bellevue Hospital, throughout the session, by Professor Biggs and Carlisle and one clinical lecture in the College Clinic, by Professors Brooks and Brown.
- IV. PRACTICAL WORK.—Hospital, bedside and dispensary teaching, in medical and physical diagnosis, to small sections of the class in the wards of Bellevue Hospital, the Out-Patient Department of Bellevue Hospital, and the College Clinic.

## Fourth Year

There are no didactic lectures on Medicine during the Fourth Year. The work is wholly practical and clinical.

- I. CLINICS.—Two general clinics a week throughout the session. Professor Biggs, Carlisle and Brown.

## II. SECTION TEACHING.

1. In Bellevue Hospital. The entire fourth-year class is assigned to practical work in Bellevue and other Hospitals daily from 9 to 12 A.M. Students are regularly placed in charge of cases in the wards, are required to take the histories, make daily notes of the progress of the disease, and microscopical and bacteriological and chemical examination of the blood, sputum, urine, etc. They watch the treatment as conducted by the attending staff. They thus have opportunities to study the natural history of disease as presented by the patients, and can follow cases of typhoid fever, pneumonia, etc., throughout their course from the beginning to their termination and in event of death, can witness the autopsies. The bacteriologic and microscopic work is done under the supervision of special instructors assigned for this purpose. Professors Biggs, Brown, Abbott and Drs. Nagle, MacKenzie and Guile.
2. In Other Hospitals. Clinics and Section Teaching will be given during second half session by the members of the Faculty on duty in other hospitals of the city, similar in character to that given in Bellevue Hospital. Members of the Faculty are attached to the attending staffs of the Harlem, City, Central and Neurological Hospital, Randall's Island, St. Vincent's, Mt. Sinai, Roosevelt, Gouverneur, Lebanon, Presbyterian, New York Foundling, Willard Parker, Riverside Hospitals and the New York Eye and Ear Infirmary, Montefiore and Beth Israel, etc.
3. In the College Clinic and the Out-Patient Department of Bellevue Hospital. Practical clinical instruction in physical and medical diagnosis will be given to the students in sections by members of the Faculty

and instructors in the College Clinic and the Out-Patient Department of Bellevue Hospital.

- III. **INDIVIDUAL STUDY.**—Members of the graduating class will from time to time be assigned to special cases for study in the wards of Bellevue Hospital, in the Out-Patient Department and in the College Clinic. Students will be expected to make complete clinical examinations of these cases, prepare histories, and make the necessary examinations in the Clinical Laboratories of the various secretions of the body, such as the sputum, urine, blood, stomach contents, intestinal discharges, etc., under the direction of the Instructor in Clinical Microscopy.
- IV. **MEDICAL CONFERENCES.**—Reports on the cases thus assigned will later be made at medical Conferences. At these Conferences students will discuss the case and will be expected to be prepared to answer questions in relation to the case, and to discuss it with other students in the section. From time to time special topics may be assigned to various members of the class for study and the presentation of short papers for discussion at the Conferences. Professor Biggs.
- V. **Systematic instruction in methods of taking histories and in prescription writing and practical therapeutics will be given to small sections of the class in the Clinic and in the hospital.**

### SURGERY

#### Second Year

- I. **PRACTICAL WORK.**—Once a week the first half of the session instruction in the uses and application of bandages, plaster of Paris, and other surgical dressings will be given to sections of the class. In these exercises the students will be required to apply the dressings under the personal supervision of the instructor.
- II. **CLINIC.**—One elementary surgical clinic a week second half of the session. At these exercises the students will receive elementary instruction in the recognition of the commoner surgical conditions and in applying the practical features of their instructions in anatomy, pathology and bacteriology to the diagnosis and treatment of the lesions presented by the patients. Dr. Becker.
- III. **OPERATIVE SURGERY.**—On the cadaver, two hours a week in sections during half the session. Dr. Becker.
- IV. **SURGICAL ANATOMY.**—One hour a week throughout the session. Dr. Becker.
- V. **RECITATIONS.**—One a week on the principles of surgery throughout the session. Professor Wright.

#### Third Year

- I. **LECTURES.**—Two a week throughout the sessions, on the Principles and Practice of Surgery. A part of this time, however, will be devoted to recitations on the most important features of the topics under consideration. In these exercises careful deliberation will be given to general, regional, and operative surgery. The class will be presented with a systematic classification of the topics taught. Professors Stewart, Douglas and Cramp.
- II. **RECITATIONS.**—Two a week, throughout the session, on the subjects covered by the lectures and assigned surgical topics. Professors Stewart, Cramp, Wright and Dr. Wadhams.
- III. **CLINICS.**—Two general clinics a week, throughout the session, in Bellevue Hospital, by Professors Stewart, Douglas, and Cramp. One clinical lecture a week in the College Clinic, by Professor Haubold and Dr. Keane.
- IV. **SECTION TEACHING.**—In the College Clinic and Out-Patient Department of Bellevue Hospital. Sections of the class will receive instruction in the surgical diagnosis and treatment of numerous instructive "walking cases."

#### Fourth Year

- I. **CLINICS.**—Two general surgical clinics a week, throughout the session, in Bellevue Hospital and the College Clinic. Professors Stewart, Douglas and Cramp.
- II. **SECTION TEACHING.**
1. In Bellevue Hospital. In small sections, under competent supervision, the students of this class are required in the surgical wards of the Hospital to practice history-taking, and to familiarize themselves with the details of the diagnosis, care and treatment of patients, in all essential practical respects. The histories of patients and the conclusions resulting from their study by the students are utilized as a means of instruction by the professors in charge of the surgical conferences. In this manner the entire graduating class is continuously informed regarding the practice of the surgical wards, and each member in turn is afforded a golden opportunity of gaining a degree of practical surgical experience, under responsible guidance, unequalled by many years of private practice. Professors Stewart, Bissell, Douglas, Smith and Cramp, Drs. Becker and Cahill.
  2. In the College Clinic and Out-Patient Department of Bellevue Hospital. Sections of the class will receive practical instruction in the

diagnosis and treatment of ambulatory cases of surgical disease. Each student is expected to apply the common dressings and apparatus employed in the treatment of wounds and surgical deformities.

3. In the Harlem, City, Mt. Sinai, and other hospitals, clinics and section teaching will be given during the second half session, by members of the Faculty on duty.
- III. PRACTICAL WORK IN THE HOSPITAL OUTLINED.—Surgical cases in the hospital will be assigned to individual students for special study. They will be required to take the histories of the cases, make such examinations of blood, urine, morbid specimens, in the clinical laboratory, as may be necessary for diagnosis, and to outline the proper treatment. Reports of these cases will be prepared by the students having them under observation, and will be read by them at the surgical conferences. Also special opportunities will be afforded to study the administration of anæsthetics. Students will be given instruction in bandaging and the application of surgical appliances; also, they will be taught at the *bedside* to examine, diagnosticate and treat surgical diseases and injuries.
- In the *operating room*, small sections of the class will receive instruction in the treatment of surgical cases, including amputations, fractures, dislocations, appendectomy, and minor surgery, etc. This plan of instruction makes the students familiar with the special and general requirements of the surgical treatment of miscellaneous cases.
- IV. SPECIAL OPTIONAL COURSE IN SURGICAL RESEARCH.—Students receiving a sufficiently high rating during their first three years, will be permitted, in small sections, to take a course in Surgical Research during the fourth year. The course will be similar to that given to Graduate students, as explained on page 69. Dr. Draper.

#### Genito-Urinary Surgery and Diseases

##### Fourth Year

- I. LECTURES.—One a week first half of the session on the principles and practice of genito-urinary surgery.
- II. BEDSIDE INSTRUCTION in Bellevue Hospital to small sections of the class. This course will include a systematic presentation of the pathology, diagnosis, and treatment of diseases of the penis, urethra, prostate, seminal vesicles, testis, bladder and kidneys. The use of the cystoscope and endoscope will also be demonstrated as well as the valuable diagnostic aid derived from ureter catheterization and radiography in its

relation to diseases of the urinary tract. The course is abundantly illustrated with cases of the diseases under discussion, and each student in turn is given the opportunity to personally examine such illustrated cases. Professor Osgood.

- III. SECTION TEACHING.—Small sections of the class will receive practical instruction in the diagnosis and treatment of genito-urinary diseases in the Bellevue Hospital Dispensary, and the College Clinic. Professor Osgood and Drs. Stevens and Bailey.
- IV. SPECIAL WORK.—The facilities of the Clinical Laboratory are at the disposal of students desiring to use them for the study of cases.

#### Orthopedic Surgery

##### Fourth Year

- I. LECTURES.—Two clinical lectures a week first half of the session, in the College, where cases illustrative of the various deformities and of different joint diseases will be presented in person and shown upon the screen. Professor Sayre.
  - II. SECTION TEACHING.—Practical instruction in the diagnosis and treatment of cases in the College Clinic, where students will personally apply plaster of Paris dressings and adjust splints of various kinds. Professor Sayre and Drs. Wettervik and Nutt.
- At the Montefiore Home, the section teaching will include the etiology and treatment of chronic joint diseases with special reference to hydrotherapy and mechanotherapy. Professor Nathan.

#### Disease of the Rectum

Special instruction will be given on the surgical anatomy of diseases of and operations on the rectum, illustrated by special dissections, and instrumental demonstrations to small sections of the class. The demonstrations will be given immediately under the observation and with the aid of the students. Dr. Huppert.

#### ROENTGEN-RAY TECHNIQUE

A short course of instruction in the use of the Roentgen Rays in medicine and surgery will be given in the Edward N. Gibbs X-Ray Laboratory.

The course will include: (1) Lectures and demonstrations on the various forms of Roentgen-Ray apparatus. (2) Practical instruction in the technique of fluoroscopic examinations and Roentgenography. (3) Demonstra-

tions and instruction in the correct interpretation of Roentgenograms paying especial attention to pathological anatomy and variations in normal anatomy. (4) Studies in physiological processes in health and disease, particularly of the digestive tract.

The X-Ray Laboratory contains a very complete equipment of appliances for Roentgen-Ray work and a collection of several thousand Roentgenograms, showing fractures, dislocations, malignant growths, bullets and needles in the body, lesions of the osseous system, pathological changes of heart and lung, and lesions of the urinary and digestive tracts. Dr. LeWald.

## OBSTETRICS

### Third Year

During the session of 1915-16, a radical change in the methods of instruction was carried out. The most important change was the substitution of recitations for lectures. During the coming session the same general methods will be followed with the exception of some minor changes where experience has shown defects. Definite lessons will be assigned which are to be prepared from a text-book. Illustrations by means of charts, diagrams, specimens and instruments are used during the recitations when advisable. During the past session this was done very infrequently. From time to time clinical lectures will be given where proper cases, illustrating certain conditions, occur, either at Bellevue Hospital or at the Manhattan Maternity Hospital.

- I. RECITATIONS.—These now form the chief part of the instruction. Regular lessons will be assigned twice a week throughout the session. The class will be divided into two sections in order that each student may be called upon more frequently. As much of the subject as possible will be covered in this way. The lectures, as outlined in the preceding paragraph, will be only supplementary to the recitations. Drs. Caldwell and Rice.
- II. CONFERENCES.—From time to time there will be a conference with Professor Flint covering the subject matter taken up in the recitations. This will be in the nature of a review and will give an opportunity to explain certain points which may not have been taken up in full in the recitations.
- III. CLINICS AND LECTURES.—During the second half of the session Professor Flint will meet the class once a week in the large amphitheatre of Bellevue Hospital. As often as possible this hour will be utilized as a clinic showing any cases that may occur in the regular Maternity serv-

ice. At other times a didactic lecture will be given, the subject matter of which will be announced from time to time.

- IV. WARD WORK.—The class will be divided into sections of about 6 men each. One or two hours a week will be given during the entire second half of the session.
- V. STANDING OF STUDENTS.—In making up the standing of students a final examination will be counted one-third; recitation marks and class work one-third; and the monthly conferences one-third.

### Fourth Year

- I. MANIKIN WORK.—The class will be divided into sections of about 10 men. Each section will have 8 hours of instruction. Students will be required to perform on the manikin all of the usual obstetrical operations. Exercises will also be given in the diagnosis of position and presentation and a review of the mechanism of normal and abnormal labors will be held. Dr. Caldwell.
- II. RECITATIONS, LECTURES, AND CLINICS.—During the first half of the session Professor Flint will meet the class once a week. This hour will be used to complete any work which was omitted during the third year. Certain subjects will be assigned in advance which must be prepared from a text-book and a recitation or a lecture on this subject held. The clinical lectures will be given at the Manhattan Maternity Hospital, 327 East 60th Street, as illustrative material presents itself.
- III. WARD WORK.—Small sections will be assigned for ward work at the Manhattan Maternity Hospital during the first half of the session. This ward work is designed to complete the work begun during the second half of the third year.
- IV. ATTENDANCE ON CONFINEMENT CASES.—Each member of the graduating class is required to file in the office of the college a certificate stating that he has been present at at least 10 cases of labor or more. Certificates from preceptors or physicians engaged in private practice will not be accepted as complying with this requirement. The regular course of instruction given at the Manhattan Maternity Hospital at 327 East 60th Street is recommended as best fulfilling this requirement. The Professor of Obstetrics is one of the attending staff of this Hospital, which is a modern and completely equipped institution, conducting both an indoor and outdoor service. There are accommodations for eight students at a time. The number of confinement cases is constantly increasing, and the service offers a course of instruction

which is very valuable. During the past year more than one hundred cases a month were confined in the combined services. Students are required to personally attend confinement cases among the poor at their own homes and to do a certain amount of practical work in the hospital wards.

The certificate of a course of instruction given at the Society of the Lying-In Hospital, on Second Avenue, between 17th and 18th Streets, is also accepted.

During the time that either of these courses is being taken, students may be excused from their regular college exercises, but it is strongly recommended that this course be taken during the vacation period between the third and fourth years.

#### GYNÆCOLOGY

##### Third Year

- I. RECITATIONS.—One a week, throughout the session, on the principles and practice of gynæcology. Professor Studdiford.
- II. SECTION TEACHING.—Gynæcological diagnosis and treatment in the College Clinic by Professor Studdiford, and in Bellevue Hospital Out-Patient Department by Dr. Eben Foskett.

Students will be required to pass a written examination at the end of the third year.

##### Fourth Year

- I. SECTION TEACHING.—Twice a week, in Bellevue Hospital, throughout the session. Before each operation several students are permitted to examine the patient under anæsthesia, and the treatment required is explained to them by Professor Studdiford.
- II. SECTION TEACHING.—Twice a week in Bellevue Hospital. Professor Studdiford.

#### PEDIATRICS

##### Third Year

- I. LECTURES.—One a week, throughout the session, on diseases of children, partly didactic, partly clinical; illustrated by cases and with the stereopticon. Professor Northrup.
- II. LECTURES.—The normal infant and child, methods of examination, the general care and feeding of the growing infant and the diseases of children. Professor Freeman.
- III. RECITATIONS.—One a week throughout the session. Drs. Brady and Hartshorn.

##### Fourth Year

- I. SECTION TEACHING.—(a) Bedside instruction (weekly) in the diagnosis and treatment of diseases of children, history taking and recording, in the Presbyterian Hospital, Roosevelt Hospital, N. Y. Foundling Hospital, Willard Parker and Riverside Hospitals, by Professors Northrup, Freeman and Nicoll.  
(b) Section Teaching in Infant Feeding at the New York Nursery and Child's Hospital, 61st Street and Amsterdam Avenue. Professor Freeman.
- II. Instruction in contagious diseases in the Willard Parker Scarlet Fever Hospital. Professor Nicoll.
- III. Practical instruction in Intubation will be given at the Foundling Hospital once a week after January. Dr. O'Dwyer.

#### NERVOUS DISEASES

##### Fourth Year

- I. LECTURES.—One a week throughout the session. These lectures are clinical, being illustrated by cases of the diseases under discussion, and include a systematic course of instruction in the diseases of the brain and spinal cord; their pathology, diagnosis, and treatment. Professor Fisher.
- II. SECTION TEACHING.—1. Bedside instruction in Bellevue Hospital, once a week, throughout the session. 2. Instruction in the methods of diagnosis in nervous diseases, in the College Clinic. During this course the students will have opportunities to examine the patients, with a view to arriving at a diagnosis. 3. Instruction in electro-diagnosis and electro-therapy, in the College Clinic. Professor Fisher and Drs. Scratchley, Neustaedter and Steinach.

##### Facilities

Clinical material for instruction in nervous diseases is drawn from Bellevue Hospital and the College Clinic.

#### MENTAL DISEASES

##### Fourth Year

- I. LECTURES.—One a week throughout the sessions. These lectures will be partly didactic, partly clinical. The didactic lectures will embrace systematic instruction in psychiatry, including: The nature and prominent features of the various types of mental disease; concise definitions

of the important technical terms used in psychiatry; a comprehensive classification of mental diseases and their etiology, diagnosis, prognosis, and treatment; the legal aspects of insanity, its jurisprudence, civil and criminal; the examination and commitment of the insane, and hints for the guidance of physicians when called as witnesses in medico-legal proceedings. The clinical lectures will consist of the presentation of cases of mental disorder illustrating the teachings of the didactic lectures. Professor Kirby.

- II. CLINICS.—One a week from October to February at the Manhattan State Hospital. Abundant opportunity will be afforded to see all types of mental disorder and students will be expected to examine patients and report the result to the clinics. Professor Kirby.

#### Facilities

Illustrative cases of mental diseases are furnished from the Manhattan State Hospital on Ward's Island, and from the Psychopathic Ward at Bellevue Hospital.

### OPHTHALMOLOGY

#### Fourth Year

- I. LECTURES.—Two a week, first half session, on the external and internal diseases of the eye; the former being illustrated by cases, and both by a full series of excellent colored lantern slides. Professor Weeks.
- II. SECTION TEACHING.—Small sections of the class will receive practical instruction in the recognition and diagnosis of all the usual external affections of the eye, some practical instruction in the treatment of diseases of the eye and the correction of errors of refraction; also practical instruction in the technical use of the ophthalmoscope, during which the student will become familiar with the appearances of the normal fundus oculi, and be shown many pathological changes in the fundus oculi. Professor Wandless. A quiz course will be given during the latter part of the college year, covering the subjects gone over in the regular lecture course, for the purpose of review.
- III. SPECIAL WORK.—Students desiring a more complete knowledge of diseases of the eye, including errors of refraction and their correction and ophthalmic surgery, can, if fitted for the course, obtain facilities for pursuing those studies under the auspices of the College in private classes. Those wishing to make a study of the microscopical pathology of the eye can also avail themselves of opportunities which will be offered.

#### Facilities

Clinical material is obtained from the Outdoor Poor Department of Bellevue Hospital, the College Clinic, and from the New York Eye and Ear Infirmary. The College Clinic is fitted with the necessary equipment for practical work with the ophthalmoscope.

### DERMATOLOGY AND SYPHILOLOGY

#### Fourth Year

- I. LECTURES.—One a week throughout the session. The lectures will be partly didactic, partly clinical. The epidiascope will be used to project lantern slides, microscopic sections and photographs to illustrate these lectures. The course will consist of a systematic presentation of the diagnosis, pathology, and treatment of cutaneous disease, particular attention being also given to the differential diagnosis between syphilitic and non-syphilitic affections. Lectures covering the subject of syphilis will include one outlining the history of the disease and the developments which have led up to our present knowledge of it; two or more on the microbiology, general pathology and experimental work; two or more on the cutaneous manifestations and concomitant constitutional disturbance incidental to the early infectious stage; one on the later manifestations of the disease; one on hereditary syphilis and one or more lectures on the general treatment of the disease. Professor Trimble.
- II. SECTION TEACHING.—Instruction in the diagnosis and treatment of diseases of the skin will be given to small sections of the class in the College Clinic. As the attendance of the outdoor department is very large, students have an excellent opportunity to become familiar not only with the common but with the rarer cutaneous affections. An X-Ray and a high frequency apparatus make up part of the equipment of the Clinic, and the method of using these agents in the treatment of skin diseases will be taught to section classes. Drs. Rothwell and Hailperin.
- III. LABORATORY WORK.—In the dermatological laboratory and in the College Clinic, sections of the class will be instructed in the microscopical examination of hairs and scales for parasitic fungi; methods of preparing culture media and differentiation of the dermatophytes. Methods of making biopsies, the manner of using physical agents in dermatology and other minor surgical procedures will also be demonstrated. Drs. Rothwell and Hailperin.

### Facilities

Clinical material for section teaching and for illustrating the lectures is derived from the College Clinic, and the Dermatological Wards of the New York Skin and Cancer Hospital.

The dermatological department includes a well-equipped laboratory which is provided with cultures of the parasitic fungi and several thousand sections of the common as well as the rare lesions of the skin. All the types of malignant diseases of the skin are represented in this collection. The laboratory is available for the advanced study of the pathology of cutaneous diseases.

## OTOLOGY

### Fourth Year

- I. LECTURES.—One each week, from the opening of the session until February 1st, on the diseases of the ear. The various pathological conditions are described and demonstrated to the class by the use of large models. In this manner it is possible to give the class a clear idea of the appearance of the parts. In addition to the use of the models, both wet and dry anatomical specimens are presented for inspection. All operations are demonstrated on the cadaver. Particular care is taken to present the subject from the standpoint of the general practitioner and to render each student competent to treat intelligently those diseases of the ear which demand immediate attention. Professor Dench.
- II. SECTION TEACHING.—Small sections of the class will receive practical instruction in the examination of the ear and the diagnosis and treatment of aural disease. The section work is given in the College Clinic, where the students are given the opportunity to study and to become familiar with all the commoner lesions. Drs. Perkins and Kahn.
- III. OPERATIVE OTOLOGY.—A practical demonstration of the various otological operations will be made upon the cadaver before small sections of the class.
- IV. ELECTIVE COURSE.—Operative Clinic on Otology at the New York Eye and Ear Infirmary, every Monday afternoon at three o'clock. Professor Dench.
- V. SPECIAL WORK IN OTOLOGY.—A special elective course in Otology will be given for those students who have completed their section work and desire to avail themselves of this advanced instruction. This work will be carried on in the College Clinic, where the material is ample for such instruction. Certain cases will be assigned to students

taking this work, and they will be permitted to carry out the actual treatment of these cases, under the supervision of the Attending Otolgists and their Clinical Assistants. In this way, the student may become familiar with the manual dexterity, so necessary in treating cases of this kind. The material furnished by the College Clinic is exceedingly large, and will enable students to observe all of the ordinary pathological conditions of the ear which are liable to be met with in practice.

### Facilities

The clinical material used to illustrate the lectures and for the section teaching is drawn from the College Clinic, the Out-Patient Department of Bellevue Hospital, the New York Eye and Ear Infirmary and other sources.

## LARYNGOLOGY AND RHINOLOGY

### Fourth Year

- I. LECTURES.—One a week during second half of the session. This course of lectures will comprise a presentation of the special anatomy and physiology of the upper respiratory tract; the etiology and pathology of affections of the nose and throat, and a description of the more common diseases of those organs, their diagnosis and treatment. Where practicable, these lectures will be illustrated by cases of the diseases described. Professor Hurd.
- II. SECTION TEACHING.—Small sections of the class will be taught the regional anatomy of the nose and throat by means of preserved specimens and models; the methods of rhinological and laryngological examination, with a opportunity to practice those methods on cases, and the medicinal and operative treatment of cases of disease of the nose and throat. Professors Hurd, McCoy and Dr. Huey.
- III. SPECIAL WORK.—An optional course in the diseases of the nose and throat is offered to those students who are prepared to take it. The course will include practical drill in diagnosis and treatment. Opportunities to perform minor operations will also be accorded to students who show sufficient proficiency.

### Facilities

The clinical material available for instruction is drawn from the College Clinic.

**Fourth Year****Review Recitations**

Review Recitations in Therapeutics, Diagnosis and Surgery, Obstetrics, Gynecology and Pathology. One week in each subject to sections of class.

**Fourth Year****Special Subjects**

Short courses of lectures or demonstrations on the following subjects will be given during the fourth year:

Sanatorium Treatment of Tuberculosis,  
 Medical Jurisprudence,  
 X-Ray Technique,  
 Life Insurance Examination,  
 Ethics in Medicine.

**PATHOLOGICAL CHEMISTRY****Herter Lectureship on Pathological Chemistry**

Dr. Christian A. Herter, formerly Professor of Pathological Chemistry in the College, has given to the Council of New York University a fund to provide for an annual course of lectures on this subject.

Professor MacCallum of the University of Toronto will deliver this course during the session of 1916-17.

**SPECIAL AND GRADUATE COURSES**

The following courses of instruction, offered to graduates in medicine and others, are designed to meet the needs of those desirous of pursuing special advanced studies along the following lines. In some instances, the courses will be given only upon the application of a sufficient number of students. The prerequisite qualifications for the individual courses vary widely and it is always advisable to consult the head of the department in this regard. It is sometimes possible to take two or more of the courses at the same time. To those requiring more detailed information, folders will be sent on application. For general information with reference to these courses communicate with John Henry Wyckoff, M.D., Secretary.

**THREE COURSES IN PUBLIC HEALTH AND  
SANITATION**

Those interested in the advancement of public health have long recognized that it would be a great step in advance if sanitary officers in this country were required, before receiving their appointments, to have suitable knowledge and training in hygiene. The Public Health Commission appointed by ex-Governor Sulzer appreciated this fully, and made in their report a recommendation that "Medical Colleges in New York State introduce courses in sanitary science leading to a degree, which ultimately might be required of all health officers." The Public Health Council, in June, 1915, added a strong recommendation that the universities also give two shorter courses so that the majority of health officers would have at least some additional training to that which they now possess.

New York University believes that these recommendations should be carried out. Three courses, therefore, have been developed in which laboratory work, lectures and field work will be combined. The courses follow the suggestions of the Public Health Council. Men and women who have had extensive experience in the service of the City Health Department will cooperate in making the courses of the greatest value. One of the most important of the courses, consisting of field work, laboratory work, lectures and conferences, will cover six weeks and begin on June 12. The course leading to the degree of Doctor of Public Health for those having a degree of Doctor of Medicine begins or ends with the six weeks' course and continues, with optional work, for a further six months to complete the first year, the second year being devoted to original work and the writing of a thesis. Those who have not been in public health work must give the greater part of the day for the whole six months. Those who have devoted themselves to this line of work for two or more years may be given credit for what they have learned and give only afternoons.

There will also be an extension course covering three hundred hours of home reading and written examinations with a final week in the laboratories at the University. The extension course begins October 1.

**TUITION FEES AND CREDIT**

New York City offers an unrivalled opportunity for the study of methods of disease prevention. Those who take the long course and pass the practical and written examinations will receive a certificate of efficiency in Public Health. Those having the degree of Doctor of Medicine, upon the completion of the course and the presentation of a satisfactory thesis showing evidence of nine months' original work on some problem con-

nected with public health or sanitation, will receive the degree of Doctor of Public Health.

The fee for the course leading to the degree of Doctor of Public Health will be \$200 for the first year and \$25 for the second year.

The approval of the Health Commissioner of New York City, Dr. Haven Emerson as well as of the Bureau Chiefs of the Health Department, enable us to give the courses under very favorable conditions.

### THE CORRESPONDENCE COURSE

This course requires but one week's residence in New York, the balance of the work being taken by correspondence. A new course begins each year on October first, but health officers may commence at any time and finish at any time. The minimum number of hours of home study is three hundred, and the subjects are those selected by the Public Health Council. The reading matter consists of about three thousand printed pages. Those taking the course must designate at least one month in advance what days are to be spent in the city so that suitable arrangements may be made for inspections and laboratory work. Those who are able to do so are invited to attend as much of the summer residence course as possible without extra charge.

Drs. Willard Joseph Denno and Frank Overton have promised their advice throughout the year in helping to make the course fit the needs of the health officers of the state, and Dr. Leroy W. Hubbard has been appointed Assistant Director of the course.

The approval of the Health Commissioner of New York City, Dr. Haven Emerson, and of the Bureau Chiefs of the Health Department, and their chief assistants, insures that the course be given under very favorable conditions.

The books and pamphlets chosen by the Public Health Council, together with several added by the University, are as follows:

- Preventive Medicine and Hygiene, by Milton J. Rosenau.
- Pathogenic Micro-Organisms, by William H. Park and A. W. Williams.
- Sources and Modes of Infection, by Charles V. Chapin.
- Manual for Health Officers, by J. Scott MacNutt.
- Sanitation, Water Supply and Sewage Disposal of Country Houses, by Wm. Paul Gerhard.

The Purification of Public Water Supplies, by George A. Johnson. (Water Supply Paper No. 315, U. S. Geological Survey.)

Rural School Houses and Grounds, by Fletcher D. Dresslar. (Bulletin No. 18, 1914, U. S. Bureau of Education.)

Health Work in School, by Ernest B. and Lewis M. Hoag and Terman.

Infant Care, by Mrs. Max West. (Children's Bureau, U. S. Dept. of Labor.)

Tuberculosis (Prize Essay), by S. Adolphus Knopf.

The Dissemination of Diseases by Dairy Products. (Cir. 153, Bureau of Animal Industry, U. S. Dept. of Agriculture.)

Article II of the Agricultural Law Relating to Dairy Products. (N. Y. Department of Agriculture.)

Maritime Quarantine, Public Health Bulletin, No. 34, U. S. Public Health Service.

The Danger Zone on the Farm, by William Paul Gerhard. (Va. Health Bulletin, Vol. VII, No. 6.)

U. S. Public Health Reports, Supplement 12, 1914, by John W. Trask.

The subject matter to be covered may be conveniently grouped as follows:

#### Communicable Diseases.

Appropriate sections from Rosenau, Chapin and MacNutt.

#### Bacteriology.

Bacteriology as applied to problems connected with the prevention of disease, Park & Williams.

#### Legal Question of Sanitation and Treatment of Nuisances.

Public Health Manual, State Department of Health; MacNutt.

#### Infant and Child Hygiene.

MacNutt, West, and Hoag and Terman.

#### Schools.

Bulletin of Dept. of Education; Rosenau.

#### Milk.

Bulletin of Bureau of Animal Industry, Agricultural Law of New York State; Rosenau.

#### Foods.

Rosenau and MacNutt.

#### Water.

Gerhard; Rosenau; Water Supply Paper No. 315.

#### Sewerage and Sewage Disposal.

Gerhard; Rosenau; Bulletin of Virginia Health Dept.

**Housing and Industrial Hygiene.**

MacNutt; Rosenau.

**Vital Statistics.**

MacNutt; Rosenau; Trask.

**Quarantine.**

Rosenau; U. S. Public Health Bulletin.

**Tuberculosis.**

Knopf; Rosenau.

The questions covering almost all the subject matter of the course and those used for the trial examinations were prepared by Drs. Park and Hubbard.

The examiners appointed up to the present time are Dr. Leroy W. Hubbard, Dr. Arthur R. Guérard, Dr. Caroline Rosenberg, Dr. Harold Lyall, Dr. Olga Povitzky, Mr. J. P. B. Bowles.

*The Residence Week*

The week's work in the city can be taken either at the end of the course or, with the exception of the examinations, at an earlier period, if the prescribed reading on Communicable Diseases, Water, Milk and Bacteriology has been completed.

It is the desire of those giving the course to make the taking of this important week of practical work as little of hardship as possible. Courses are given, therefore, at six different dates, with the hope that some one of these periods will meet the convenience of every one. The six days can, if desired, be taken in the different periods and by agreement with the Commissioner of Health, the examinations will be held not only in New York City, but also in Albany and, if a sufficient number desire it, at such other places as the convenience of those taking the course make advisable.

The dates at which the six days of laboratory work, inspections, study of contagious diseases and examinations are given are as follows:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
May.....	22	23	24	25	26	27
May.....	29	30	31	June 1	2	3
June.....	5	6	7	8	9	10
July.....	10	11	12	13	14	15
September.....	18	19	20	21	22	23
January.....	1	2	3	4	5	6

*Hours, Location and Character of Each Day's Work.*

**Mondays and Tuesdays, 9 to 1.** Bacteriological Laboratory, University and Bellevue Hospital Medical College.

Diagnostic bacteriological and serological examinations for diphtheria, typhoid fever, malaria, tuberculosis, gonorrhœa and syphilis. Bacteriological examinations of milk and water.

Drs. Park, Krumwiede, Noble, Zingher and the Misses Smeeton, Hotchkiss and Tuthill.

**Mondays and Tuesdays, 2-6 p. m.** Willard Parker Hospital and Research Laboratory of the Department of Health, 16th Street and East River.

The diagnosis and treatment of measles, scarlet fever, diphtheria, whooping-cough, and any other communicable diseases located at the time in the hospital; the methods of producing antitoxins, Pasteur treatment, vaccine virus, and other protective substances. Disinfection.

Drs. Nicoll, Williams, Schroeder, Dixon, Somerset, Neal, Fielder and Banzhof.

*Wednesdays.*

Inspection of the process of pasteurizing milk; the hygienic exhibit at the Natural History Museum and conferences on the care of milk, the purification of water and the disposal of sewage.

*Thursdays.*

Inspection of a water and sewage purification plant; of an infant milk station and of a health center.

Mr. Provost, Dr. Pease, Dr. Park, Mr. Bowles and Officials of the Department of Health.

*Fridays and Saturdays.*

Practical, written and oral examinations on the subjects covered by the entire course.

*Division of the Week's Course into Two or More Portions*

The work in the city should, if possible, be taken in one week, but if necessary, it may be divided into two or three portions. The work of Monday and Tuesday can not be taken up separately, nor

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that of Wednesday and Thursday, but the two examination days may be divided.

As diphtheria, scarlet fever and measles rapidly diminish after June 1st and do not again increase much before October, it is hoped that as many as possible will take the two days devoted to laboratory work and communicable diseases in the month of May, so that a sufficient number of suitable cases may be present in the hospital wards for study and discussion.

The two days devoted to water and milk can be taken equally well at any time.

#### Examinations

Those taking the Correspondence Course will receive advice concerning the books and monographs to be read, and a series of questions covering the subjects studied will be mailed. These questions are to be answered as fully as possible and the answers will be corrected and discussed by experienced persons and returned. The answers to the questions and the examinations in the city will be the tests required to judge whether the course has been taken satisfactorily. Most of the books are covered by a series of questions to be used and answered by the readers so as to judge themselves of their progress.

#### Required Books

Each student is required to own a recent edition of a comprehensive hygiene and bacteriology. Other books and pamphlets will be sent by parcel post as required. The only expense for the loaned books will be the postage. A deposit of \$5 will be required to defray the postage and replacement of any books not returned. The balance of the deposit remaining will be returned at the end of the course.

#### Fees

The fee for either the Correspondence Course or the Summer Residence Course is \$50 in addition to the matriculation fee of \$5 for those who have not previously attended the University.

Further information about either course may be obtained from Dr. William H. Park, 338 East 26th Street, New York.

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### THE SUMMER RESIDENCE COURSE

This course requires six weeks' attendance in New York during the summer. It will be given this year from June 12 to July 21. The subject matter covered is the same as in the Correspondence Course, but lecturers who have specialized in different departments of hygiene partially displace the reading and more time can be devoted to inspections and practical laboratory work. The three hundred hours are so divided that one and one-half hours are allowed for reading for every one devoted to inspections, lectures, and laboratory work.

The fee will be \$50 for the six weeks' course in addition to the matriculation fee of \$5.

#### Outline of Six Weeks' Course of Instruction for Health Officers, with Names of Instructors

	Inspection and Lecture Hours	Required Reading Hours
1. Public Health Administration, Organization (local and state), Health Laws and the Sanitary Code . . . . .	10	15
Dr. Haven Emerson, Commissioner of Health and Mr. George P. Foulk, Attorney for twenty years for the Department of Health.		
2. Nuisances, Duty of Health Officer, Common Law Nuisances; Remedies therefor . . . . .	7	10
Dr. Haven Emerson, Commissioner of Health and Mr. George P. Foulk, Attorney.		
3. Infant Welfare Work, methods and results . . . . .	5	7
Dr. S. Josephine Baker, Director of Child Hygiene.		
4. School Hygiene and Medical Inspection . . . . .	5	7
Dr. S. Josephine Baker, Director of Child Hygiene.		
5. Communicable Diseases, Etiology, Causes. Control of Epidemics, prevention . . . . .	12	18
Dr. John S. Billings, Director of the Bureau of Infectious Diseases.		
Dr. Matthias Nicoll, Jr., Clinical Professor of Infectious Diseases, New York University.		
Dr. Charles Krumwiede, Assistant Professor of Bacteriology, New York University and Assistant Director of Bureau of Laboratories.		

	Inspection and Lecture Hours	Required Reading Hours
6. Control and Care of Tuberculosis . . . . . Dr. E. S. McSweeney, Medical Superintendent of Sea View Hospital.	5	7
7. Industrial Hygiene, Occupational Diseases . . . . . Dr. L. I. Harris, Supervisor in charge of the Division of Industrial Hygiene in the Department of Health. Dr. D. B. Armstrong, Director of the Bureau of Hygiene of the A. I. C. P.; Lecturer on Hygiene New York University.	10	15
8. Foods, Meat, Fish, Bakeries, Fruit, etc. . . . . Mr. Lucius P. Brown, Director of Bureau of Food Inspection.	5	5
9. Milk supply, quality, control, distribution . . . . . Drs. H. D. Pease, William H. Park and M. C. Schroeder (Assistant Director Bureau of Laboratories)	7	7
10. Quality of Water, Control of Watersheds . . . . . Mr. Andrew J. Provost, Sanitary Engineer. Dr. H. D. Pease, Late Director of the State Laboratory. Mr. James P. B. Bowles.	10	11
11. Composition and Disposal of Sewage; Sanitary Privies; Fly Infection . . . . . Mr. Andrew J. Provost. Dr. H. D. Pease.	7	7
12. Vital Statistics, Collection and Interpretation. Mortality and Morbidity . . . . . Dr. William H. Guilfooy, Registrar, Department of health.	7	10
13. Bacterial Vaccines and Serums. Bacterial Reactions, Diagnostic Tests; Water and Milk Examinations . . . . . Dr. Charles Krumwiede. Dr. Willis C. Noble, Assistant Director of the Bacteriological Laboratory of New York University. Dr. Abraham Zingher, Instructor in Bacteriology, New York University; Bacteriologist, Bureau of Laboratories.	20	25
14. Infections in their relation to disease . . . . . Mr. James P. B. Bowles.	2	3
15. State and National Quarantine . . . . . The Health Officer of the Port of New York.	3	3
16. Public Health Education . . . . . Dr. Charles Bolduan, Lecturer on Hygiene, New York University, Director of the Bureau of Public Health, Department of Health.	2	3

	Inspection and Lecture Hours	Required Reading Hours
17. Hospital Management . . . . . Dr. Robert J. Wilson, Assistant Professor Bacteriology, New York University, Director Bureau of Hospitals, Department of Health.	2	3
18. Special Laboratory and Field Work (as may be best suited to the individual institution) . . . . .	15	

The instructors designated under the different subjects already mentioned or others representing them.

#### Field Work

The most important inspections will be the following:

1. Water and sewage purification plants.
2. Milk pasteurizing plant.
3. New York State Quarantine Station.
4. Two industrial establishments.
5. The Health Department and its hospitals.
6. An infant milk station in operation.
7. The Sea View Hospital for Tuberculosis.
8. The hygienic exhibit at the Museum of Natural History.
9. The Museum of Safety.
10. Several dairy farms.
11. One of several optional places as selected by those taking the course.
12. A Biological Laboratory producing vaccines and sera.

The following persons will assist in supervising and giving the different subjects covered by the course:

- DR. WM. H. PARK, Professor of Bacteriology and Hygiene, New York University.
- DR. R. J. WILSON, Assistant Professor of Bacteriology, New York University; Director of the Bureau of Hospitals, Department of Health.
- DR. CHARLES KRUMWIEDE, Assistant Professor of Bacteriology and Hygiene, New York University; Assistant Director of the Bureau of Laboratories.
- DR. MATTHIAS NICOLL, JR., Clinical Professor of Infectious Diseases, New York University; Assistant Director of the Diag-

- nostic Laboratory, Department of Health, and Attending Physician to the Willard Parker Hospital.
- DR. MARION B. McMILLAN, Lecturer on Hygiene and Sanitation, New York University; Assistant Sanitary Superintendent.
- DR. CHARLES BOLDUAN, Lecturer on Hygiene and Sanitation, New York University; Director of the Bureau of Public Health Education.
- DR. E. S. McSWEENEY, Lecturer on the Management of Tuberculosis Institutions, New York University; Medical Superintendent of Sea View Hospital.
- DR. WILLIS C. NOBLE, Lecturer on Bacteriology and Assistant Director of the Bacteriological Laboratory, New York University.
- DR. ABRAHAM ZINGHER, Instructor in Bacteriology, New York University; Bacteriologist, Bureau of Laboratories.
- DR. D. B. ARMSTRONG, Lecturer on Hygiene and Sanitation, New York University; Director of the Bureau of Hygiene of the Association for Improving the Condition of the Poor.
- DR. HAVEN EMERSON, Commissioner of Health.
- DR. WILLIAM H. GUILFOY, Registrar, Department of Health.
- DR. JOHN S. BILLINGS, Director of the Bureau of Infectious Diseases.
- DR. S. JOSEPHINE BAKER, Director of Child Hygiene.
- MR. LUCIUS P. BROWN, Director of Bureau of Food Inspection.
- DR. ANNA W. WILLIAMS, Assistant Director of the Research Laboratories, Department of Health.
- DR. WILLARD J. DENNO, Secretary of State Board of Medical Examiners.
- DR. LEROY W. HUBBARD, Supervisor, State Department.
- DR. FRANK OVERTON, Supervisor, State Department.
- DR. FRANK S. FIELDER, Assistant Director of the Vaccine Laboratory.
- DR. M. CATHERINE SCHROEDER, Assistant Director of the Bureau of Laboratories.
- MR. J. P. ATKINSON, Chief Chemist, Department of Health.
- DR. L. I. HARRIS, Medical Inspector in Charge of the Division of Industrial Hygiene.

- DR. S. D. HUBBARD, Medical Inspector in Charge of the Division of Acute Infectious Diseases.
- DR. S. TANNENBAUM, Medical Inspector, Department of Health.
- DR. M. OGAN, Medical Inspector, Department of Health.
- MR. GEORGE P. FOULK, Attorney, and for twenty years Counsel for the Department of Health.
- DR. ALVIN KLEIN, Health Officer of Greenwich, Conn.
- MR. ANDREW J. PROVOST, Sanitary Engineer.
- DR. H. D. PEASE, Bacteriologist and Sanitary Expert.
- MR. JAMES P. B. BOWLES, Sanitary Expert.
- DR. ARTHUR R. GUÉRARD, Examiner in Hygiene, New York University.
- DR. CAROLINE ROSENBERG, Examiner in Hygiene, New York University.
- DR. OLGA POVITZKY, Examiner in Hygiene, New York University.
- DR. HAROLD LYALL, Examiner in Hygiene, New York University.

## GRADUATE COURSES

*Course in Pathological Physiology and Experimental Surgery*

This course will consist in the experimental production by the student and subsequent discussion of the following abnormalities of function as related to practical medicine and surgery.

The Heart.—Valvular lesions, aortic regurgitation and stenosis, venous pulse, extra systoles and heart block.

The Circulation.—Blood pressure, hemorrhage and transfusion, hydropericardium, increased intracranial pressure, shock, acapnia, embolism and thrombosis.

The Endosecretory Organs.—Thyroidectomy, parathyroidectomy, removal of pancreas, hypophysectomy, and adrenalectomy; opotherapy.

The Thorax.—Insufflation, removal of lobe of lung, pulmonary œdema, pneumo-thorax, hydrothorax, pleuritis.

The Liver.—Eck's fistula. Metabolism and blood examination.

The Kidney.—Acute nephritis, tubular and glomerular. Renal infections. Dr. Ewing.

*Department of Anatomy*

- I. RESEARCH IN ANATOMY.—Problems in Vertebrate Embryology. Professor Senior.
- II. RESEARCH IN HUMAN ANATOMY, adult and developmental. Professor Thyng.

*Department of Pharmacology and Applied Therapeutics*

- I. RESEARCH IN PHARMACOLOGY.—Special work in assigned subjects. Professor Wallace.
- II. HOSPITAL AND LABORATORY COURSE IN APPLIED THERAPEUTICS.—The therapeutic action of drugs on animals is investigated and their application to patients studied. Professors Brown and Wallace.
- III. RESEARCH COURSE IN APPLIED THERAPEUTICS.—Special work, laboratory and clinical, in assigned subjects. Professors Brown and Wallace.

*Department of Physiology*

- I. RESEARCH COURSES.—Advanced and special work in the laboratory. Professor Jackson.
- II. NUTRITION AND DIET SELECTION.—Study of the principles upon which normal and special diets are based. Professor Jackson.
- III. SHORT LABORATORY COURSE, 120 hours.—Experimental study of the basic portions of the subject. Dr. Ewing.
- IV. SHORT LECTURE COURSE, 64 hours.—Demonstrations and recitations. Dr. Ewing.

*Department of Pathology*

- I. Systematic work along special or advanced lines will be carried out in any of the branches of Pathology; gross, microscopic and experimental. Problems for original investigation will be assigned in suitable instances. Professor Symmers.
- II. CLINICAL PATHOLOGY.—Practical courses and special investigations in the following topics:
  1. Blood.—Methods of investigation of the blood and the study of pathological blood diseases.
  2. Animal Parasites.—Morphological characters, development, with methods of collecting, preserving, examining, staining and mounting Helminthes met with in tropical diseases.
  3. Serology.—Complement fixation as in syphilis (Wassermann) and gonorrhœa. Precipitin tests and agglutination reactions.
  4. Body fluids.—Investigations of cerebro-spinal fluid, exuates, transudates and cyst contents.
  5. Examination of normal and pathological excreta, as urine, fœces, and sputum.
  6. Investigations of normal and pathological gastric contents. Professor A. R. Mandel.

*Department of Surgery \**

- I. COURSE IN ADVANCED SURGERY, theoretical and applied.—(a) Applied Surgery.—Study of cases in the wards. Professor Stewart.
- (b) Physiological Surgery, laboratory course, experimental work with demonstrations of the relation of physiology to applied surgery. Dr. Draper.
- (c) Selected Operative Surgery on the Cadaver and Surgical Anatomy. This course is offered as a unit to surgeons desiring special work in the advanced problems of modern surgery; but individual portions of the course may be selected.

## Course I

## \*PHYSIOLOGICAL SURGERY

## A

## Digestive System

1. Experimental study of the comparative values of the various modern hospital techniques, including methods of sterilization, preparation of patients and surgeons.
2. Methods of abdominal incision and closure, experimentally considered.
3. End results of intestinal suture following different methods and the use of different materials. Blood supply, its significance in anastomosis.
4. Experimental study of ulceration from anetiological standpoint. The importance of persistent irritation, traumatic, biochemical and bacterial.
5. Observation following intestinal obstruction; (1) duodenal; (2) ileal; (3) colonic. The significance of feeding intestinal mucosa.
6. Liver.
7. Pancreas.
8. Etiological studies in peritonitis. Absorptive coefficients of serous membranes.

## Excretory System, Circulatory System, Cerebro Spinal System

1. Estimation of the margin of safety in nephrectomy. Demonstrations of ureteral function and malfunction.
2. Hydronephrosis, etiologically considered.
3. Renal infection, etiologically considered.

\* Courses A 1 and 2 are offered to senior students of especial fitness based on third-year work.

4. Pneumonectomy, its marginal safety, mechanisms within the chest, provoking death.
5. The thyroid and parathyroids and adrenals.
6. Decompression. Optic neuritis. Experimental demonstration.
7. Experimental spina bifida.
8. Studies in regeneration of bone as demonstrated in the imbrication operation for Pott's Disease.

## B.

## \* Research Work in Surgical Pathological Physiology

(Hours to be arranged)

(No lectures are given by this Department in Graduate Work)

## Courses I and II

## A. Alimentary Tract.

1. The Dynamics of the Alimentary Canal. Dilatation, Stricture, Ulceration, Tetany, Autonomic relations.
2. Internal Secretions of the Duodenum in relation to Death from Intestinal Obstruction.
3. Law of Organic Compensation in Special relation to Surgical Therapeutics. Ileostomy and the vicarious assumption of Colonic Function.

## B. Urinary Tract.

1. Dynamics of the Ureter and Bladder. Dilatation, Stricture, Neuromuscular impairment.
2. Paramount importance of the Ureteral Proximalis over the Uretro-vesical Valve. Hydronephrosis and Renal Infection.
3. Surgical Anatomy between the Alimentary and Urinary Neuromuscular tubes and valves.
4. Uretero-enteric Anastomosis based on Surgical Physiology.

## C. Cerebro-Spinal System.

1. Hyperthermia in connection with decompression.
2. Experimental studies in increased Intradural pressure.
3. Experimental Optic Neuritis.
4. Experimental Spina Bifida.

*Department of Bacteriology*

- I. COURSE ON HYGIENE.—Lectures and field work. Professor Park and special lecturers.

\* Courses B 1 and 2 may be elected by specially qualified senior students in place of other work.

## II. COURSES IN BACTERIOLOGY.

- (a) Elementary Bacteriology similar to that taken in the second year of the medical course. Dr. Noble and Miss Smeeton.
- (b) Applied Bacteriology, Professors Park, and Krumwiede and Dr. Noble.
- (c) Studies on a Selected Subject. Professors Park and Krumwiede and Dr. Noble.

*Clinical Departments*

The following courses have been arranged and are planned to occupy about six weeks each.

## I. MEDICINE AND PHYSICAL DIAGNOSIS.

## II. CLINICAL AND OPERATIVE GYNÆCOLOGY.

## III. GENITO-URINARY DISEASES.

## IV. LARYNGOLOGY.

## V. OPHTHALMOLOGY.

## VI. PEDIATRICS.

## VII. DERMATOLOGY.

## CLINICAL FACILITIES

The College possesses ample facilities for clinical teaching, and the school is pre-eminent as a school of practical medicine. This purpose has been constantly in view in the arrangement of the course of study.

THE COLLEGE (in College Building). (See also page 16.)

This is a General Medical and Surgical Clinic, and supplies aid for the outdoor sick poor. The situation is peculiarly advantageous, as it is just opposite Bellevue Hospital. It affords abundant material for practical clinical instruction in all departments of Medicine and Surgery. Connected with Clinic are the Laboratories of Bacteriology, Pathology, and Clinical Microscopy, in which opportunity is given the student to make the necessary examinations of the blood, sputum, urine, etc.

THE EDWARD N. GIBBS MEMORIAL X-RAY LABORATORY.

Through the generosity of friends of the College and in recognition of the medical services rendered to the late Edward N. Gibbs by members of the Bellevue Hospital medical staff, there has been established in connection with the College Clinic the Edward N. Gibbs X-Ray Laboratory.

The Laboratory is attached to the College Clinic, and is conducted to aid the medical and surgical staff of Bellevue Hospital and of the Clinic in the diagnosis and study of obscure forms of disease among the poor under treat-

ment in these institutions. The facilities of this laboratory will be used to illustrate the lectures on Roentgenology. It is maintained in the highest degree of efficiency by the founders.

BELLEVUE HOSPITAL (26th Street and First Avenue). (See also page 19.)

Bellevue Hospital is directly across the street from the College Buildings. It is the great City Hospital especially used for acute diseases, has ten hundred and seventy-five beds, and receives annually about 25,000 patients. All of the great charitable institutions on Blackwell's, Ward's, Randall's, and Hart's Island receive their inmates, numbering many thousands, through Bellevue Hospital or its Out-Patient Department. In the *Out-Patient Department* more than fifty thousand new patients a year are treated, aside from those admitted to the various hospitals of the Department of Charities.

*Medical Service.*

Hermann M. Biggs, M.D., Visiting Physician.  
 Robert J. Carlisle, M.D., Visiting Physician.  
 Samuel A. Brown, M.D., Visiting Physician.  
 Theodore J. Abbott, M.D., Visiting Physician.  
 Edward D. Fisher, M.D., Consulting Neurologist.  
 James F. Nagle, M.D., Assistant Visiting Physician.  
 George B. Wallace, M.D., Assistant Visiting Physician.  
 Luther B. MacKenzie, M.D., Assistant Visiting Physician.  
 Hubert V. Guile, M.D., Assistant Visiting Physician.  
 John Henry Wyckoff, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.  
 Mills Sturtevant, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.  
 Cornelius J. Tyson, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.

*Surgical Service.*

George D. Stewart, M.D., Director and Visiting Surgeon.  
 Joseph B. Bissell, M.D., Director and Visiting Surgeon.  
 John Douglas, M.D., Visiting Surgeon.  
 Thomas A. Smith, M.D., Visiting Surgeon.  
 Reginald H. Sayre, M.D., Assistant Visiting Surgeon in charge of Orthopedic Cases.  
 Walter C. Cramp, M.D., Assistant Visiting Surgeon.  
 Julius A. Becker, M.D., Assistant Visiting Surgeon.  
 Arthur M. Wright, M.D., Assistant Visiting Surgeon.  
 Robert P. Wadhams, M.D., Assistant Visiting Surgeon.

William C. Lusk, M.D., Assistant Visiting Surgeon.  
 John M. Hanford, M.D., Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.  
 George A. Koenig, M.D., Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.  
 George F. Cahill, M.D., Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.  
 Sidney B. Tryon, M.D., Anæsthetist.

*Gynæcological Service.*

Henry C. Coc, M.D., Consulting Gynæcologist.  
 William E. Studdiford, M.D., Director and Visiting Surgeon.  
 Eben Foskett, M.D., Assistant Visiting Surgeon.  
 Hervey Clock Williamson, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.  
 Arthur M. Reich, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.

*Obstetrical Service.*

Austin Flint, M.D., Visiting Obstetrician.  
 William E. Caldwell, M.D., Assistant Visiting Obstetrician.  
 Frederick W. Rice, M.D., Adjunct Assistant Visiting Obstetrician.

*Genito-Urinary Service.*

Alfred T. Osgood, M.D., Associate Visiting Genito-Urinary Surgeon.  
 A. R. Stevens, M.D., Assistant Visiting Genito-Urinary Surgeon.

*Pathological Chemist.*

A. O. Gettler, Ph.D.

*Pathologist.*

Douglas Symmers, M.D.

HARLEM HOSPITAL (Lenox Avenue, 136th Street).

Reached by electric cars from College Building. Is allied with Bellevue Hospital and has a large Out-Patient Department. Students are assigned in small sections for clinical instruction in the medical and surgical wards.

Professor L. K. Neff, Visiting Physician.  
 Professor H. A. Haubold, Visiting Surgeon.  
 Professor W. H. Lockett, Visiting Surgeon.  
 Dr. John F. Connors, Assistant Visiting Surgeon.  
 Dr. J. E. Lombard, Anæsthetist.

**CITY HOSPITAL** (formerly Charity Hospital, Blackwell's Island).

This is the great City Hospital for chronic and venereal diseases. It has about one thousand beds, and is reached from the pier at Bellevue Hospital by the steamers of the Department of Charities.

Dr. C. E. Quimby, Visiting Physician.  
 Professor Harlow Brooks, Visiting Physician.  
 Dr. William Steinach, Visiting Neurologist.  
 Dr. Samuel Bradbury, Visiting Physician.  
 Dr. John H. Carroll, Assistant Visiting Physician.

Section teaching and hospital clinics may be given at this institution.

**CENTRAL AND NEUROLOGICAL HOSPITAL** (Blackwell's Island).

These institutions are also reached by the steamers of the Department of Charities, which leave the pier at Bellevue Hospital.

Professor Geo. B. Wallace, M.D., Consulting Physician.  
 Professor C. Elsberg, M.D., Visiting Neurological Surgeon.  
 Dr. E. D. Friedman, Assistant Visiting Neurologist.

The hospitals of the Workhouse contain about one hundred and twenty beds, and are chiefly occupied by cases of acute disease.

Hospital clinics and section teaching may be given at these institutions.

**MANHATTAN STATE HOSPITAL FOR THE INSANE** (Situating on Ward's Island).

This hospital is reached by ferry from the foot of East 116th Street. Boats leave every half hour.

This hospital (the largest in the world) has 4,500 insane patients, and opportunities afforded the students for the study of various forms of mental diseases are unsurpassed.

Emeritus Professor Carlos F. MacDonald, Consulting Physician.  
 Professor E. D. Fisher, Consulting Physician.  
 Emeritus Professor William Mabon, Superintendent and Medical Director.  
 Professor George H. Kirby, Director of Clinical Psychiatry.  
 Professor Wm. C. Lusk, Consulting Surgeon.  
 Professor Chas. E. Quimby, Consulting Physician.  
 Professor Chas. A. Elsberg, Consulting Physician.

**WILLARD PARKER AND RECEPTION HOSPITALS, AND THE RIVERSIDE HOSPITAL FOR CONTAGIOUS DISEASES** (Department of Health of New York City).

The Willard Parker and Reception Hospitals are situated at the foot of East 16th Street. These hospitals are devoted to the treatment of scarlet fever and diphtheria, and to the reception of other contagious diseases.

Practical bedside instruction in the diagnosis of these diseases is afforded to students during the fourth year. Professor Nicoll.

These institutions are easily accessible by street car from the College Buildings, and contain about six hundred beds.

The Riverside Hospital is reached from the foot of East 16th Street by steamers of the Department of Health, or from East 132d Street.

It is devoted to all forms of contagious disease, and has facilities for accommodation of more than three hundred patients.

Professor M. Nicoll, Visiting Physician.

**RIVERSIDE SANITARIUM** (Department of Health).

Dr. Pulley, Attending Physician.

**RANDALL'S ISLAND HOSPITAL** (Department of Public Charities).

Is devoted chiefly to the care of infants, idiots, and imbeciles. It is reached by boat from the Department of Charities, foot of East 26th Street, or from East 120th Street.

**PRESBYTERIAN HOSPITAL** (Madison Avenue and 70th Street).

Accessible by electric cars from the college. This is a large modern general hospital containing three hundred and thirty beds.

Opportunities for bedside instruction is afforded to members of fourth year class in small sections.

Professor W. P. Northrup, Visiting Physician.  
 Professor A. T. Osgood, Visiting Genito-Urinary Surgeon.

**ST. VINCENT'S HOSPITAL** (Seventh Avenue and 12th Street).

Large general hospital containing about three hundred beds. Reached by street car from College Building.

Professors Biggs, Stewart and Bissell are attending at this institution, and students will be permitted to witness operations, etc.

Professor A. R. Mandel, Assistant Visiting Physician.  
 Drs. William M. Ford, G. R. Stuart and A. M. Wright, Assistant Visiting Surgeons.

Professor Douglas Symmers and Dr. Alexander Fraser, Pathologists.

Professor E. D. Fisher, Consulting Neurologist.

Professor R. H. Sayre, Consulting Orthopedic Surgeon.

**Mt. SINAI HOSPITAL.**

Opportunities in this institution for clinical teaching have been placed at the disposal of the University and Bellevue Hospital Medical College. According to the arrangement, students of the fourth year will be definitely

assigned to the medical and surgical wards of the hospital and their work will be supervised by representatives of the Medical Staff appointed to the Faculty. Professors Manges, Meyer, Elsberg and Nathan.

#### MONTEFIORE HOME.

The hospital is located at 210th Street and Gunhill Road. During the past year arrangements have been made whereby students may be sent to the hospitals for assignment to the medical and surgical wards for clinical instruction.

Professor Alfred Meyer, Consulting Physician.  
 Professor Harlow Brooks and Max Fishberg, Visiting Physicians.  
 Professors I. Abrahamson and C. A. Elsberg, Visiting Neurologists.  
 Professor Charles Goodman, Visiting Surgeon.  
 Professor P. W. Nathan, Visiting Orthopedic Surgeon.  
 Professor I. Levin, Chief of Cancer Research.

#### BETH-ISRAEL HOSPITAL.

The hospital is located at Monroe, Jefferson and Cherry Sts. and contains 150 beds. Students are assigned in small sections for clinical instruction in the wards.

Professor Geo. D. Stewart, Consulting Surgeon.  
 Emeritus-Professor H. C. Coe, Consulting Gynecologist.  
 Professor A. F. Hess, Visiting Physician to Children.  
 Professor Charles Goodman, Visiting Surgeon.

#### GENERAL MEMORIAL HOSPITAL (106th Street and Eighth Avenue).

Surgical clinics are held daily. Emeritus Professor Coe operates Mondays and Thursdays at 9 A.M. throughout the year, the students are always made welcome.

#### WOMEN'S HOSPITAL (141 West 109th Street).

Surgical clinics are held daily. Professor Flint operates once or twice a week throughout the year. Small sections of students are always welcome.

Professor Austin Flint, Visiting Surgeon.  
 Dr. Wm. M. Ford, Assistant Visiting Surgeon.  
 Professors W. E. Studdiford and Geo. Gray Ward, Associate Surgeons.  
 Dr. J. A. Becker.

#### GOUVERNEUR HOSPITAL (Gouverneur Slip, corner Front Street).

Reached by street car from the College Building. General hospital and reception hospital for the Department of Charities. Has also a large Out-Patient Department.

NEW YORK FOUNDLING HOSPITAL (68th Street, between Third and Lexington Avenues).

Reached by street car from College Building. Is under the charge of the Sisters of Charity. Instruction in diseases of children is given here to fourth-year students by Professors Northrup, Freeman and Nicoll, and Dr. J. O'Dwyer.

The O'Dwyer Memorial Clinic, established during 1898 in this institution. Professors Northrup and Freeman.

MANHATTAN MATERNITY AND DISPENSARY (on 60th Street between First and Second Avenues).

This is a small hospital which was opened for patients in February, 1905. It conducts an indoor and outdoor obstetrical service and provides a practical course for students. The certificate of this hospital is accepted by the College as complying with all the requirements for actual attendance on labor cases.

Professor Flint and Dr. Wm. M. Ford are on the Attending Staff.

NEW YORK EYE AND EAR INFIRMARY (13th Street and Second Avenue).

Easily accessible by Second Avenue electric cars. Students of the College attend the operative clinic of Professor Dench, Mondays at 3.00 P.M., and Professor Weeks, Thursdays at 3.00 P.M.

LEBANON HOSPITAL (150th Street and Westchester Avenue).

Reached by electric and elevated cars from the College Building. Surgical clinics are given by Professor Syms, to which students are admitted.

### PRIZES AND HOSPITAL APPOINTMENTS

#### Mott Prize Medals

By the will of the late Dr. Valentine Mott, a founder of the University Medical College, and for many years its President and Professor of Surgery, perpetual provision was made for the following medals:

A gold medal to the candidate who shall prepare the best anatomical or anatomico-surgical preparation.

A silver medal to the second best preparation.

A bronze medal to the candidate who shall furnish the best notes (typewritten) of recorded cases and remarks of the Professor of either of the Surgical Clinics.

Candidates for graduation, as well as first second and third year students, may compete for these medals.

The preparations shall belong to the University Mott Prize Museum and be labeled with the name of the maker.

Reports of cases shall belong to and be deposited in the Library.

The specimens are to be presented anonymously, accompanied by a device or motto.

The medals are not to be awarded except when the specimens presented are of sufficiently good character.

Further information regarding the preparations or reports will be furnished by the Professor of Anatomy or surgery, respectively.

These medals were awarded in June, 1916 as follows:

The Gold Medal—Bertram Krugman.

The Silver Medal—Not awarded.

The Bronze Medal—J. Emerson Noll.

**THE CHRISTIAN A. HERTER RESEARCH SCHOLARSHIP.**—This scholarship was founded for the encouragement of research in chemical pathology, or physiological chemistry or pharmacology. The annual income (\$300) will be awarded each year to a graduate, or undergraduate, who has already demonstrated aptitude for physiological and chemical research.

**THE GLOVER C. ARNOLD SURGICAL PRIZE.**—A prize of one hundred dollars is offered to any member of the senior class passing the best examination in General Surgery. This prize was established by the family of the late Dr. Glover C. Arnold, a graduate of the Bellevue Hospital Medical College, class of 1873. This prize was awarded to Daniel Bernard Lynch, session 1915-1916.

**THE EGBERT LE FEVRE SCHOLARSHIP** was founded by the Council of New York University on February 16, 1916, in memory of Dr. Egbert Le Fevre. The selection of the candidate for this scholarship is vested in the Faculty of Rutgers College and is open to members of the graduating class.

**APPOINTMENTS IN THE HOSPITALS.**—The graduates of this College are eligible for examination for appointment to the house staff in the following hospitals:

**BELLEVUE HOSPITAL.**—Thirty-six regular appointments to the house staff are made each year. The term of service is two years, as follows: Six months as junior medical assistant, six months as junior surgical assistant, boarding out of the Hospital; and six months as senior assistant, and six months as house physician, house gynecologist, or house surgeon, board, lodging, and washing being provided in the Hospital. The successful candidates are assigned to duty in order of merit.

**HARLEM HOSPITAL.**—Six *internes* as appointed each year.

**CITY HOSPITAL.**—Six physicians and six surgeons, serving for eighteen months, and eight "provisionals," serving for one year. For the entire term of service, board, lodging, and washing are furnished in the Hospital. Three physicians and three surgeons begin service in June, and three physicians and three surgeons in December.

**MATERNITY HOSPITAL.**—The house staff is included in the staff of the City Hospital.

**GOVERNEUR HOSPITAL.**—Six *internes* are appointed each year.

**ALMSHOUSE AND INCURABLE HOSPITALS.**—Four *internes*, with alternating medical and surgical service, are appointed each year, to serve for eighteen months, living in the Hospital.

**RANDALL'S ISLAND HOSPITAL.**—Six *internes* are appointed each year, with the same kind of service and under the same conditions as in the Almshouse Hospital.

**FORDHAM HOSPITAL.**—Four *internes* are appointed each year.

**OTHER HOSPITAL APPOINTMENTS.**—In addition to those in the hospitals in the Department of Public Charities, there are no less than twenty-four hospitals, not including special hospitals, in which appointments to the house staffs are open to competition. The most prominent of these are the Presbyterian Hospital, St. Luke's Hospital, the New York Hospital, St. Vincent's Hospital, St. Francis' Hospital, General Memorial Hospital, Mount Sinai Hospital, the German Hospital, the French Hospital, the Italian Hospital, Roosevelt Hospital, N. Y. Post Graduate Hospital, St. Mark's Hospital, New York Foundling Hospital, Willard Parker Hospital, Riverside Hospital, Reception Hospital, Kingston Ave. Hospital, Washington Heights Hospital, Woman's Hospital.

The following members of the class graduating, Session 1915-16, have received hospital appointments on competitive examination:

M. E. Alexander, W. G. Berlucci, T. A. Brady, R. S. Breakey, S. Brock, B. R. Brodie, J. R. Cahill, E. Calvelli, G. Calvelli, H. C. Dixon, L. B. Fauquier, H. Feldman, J. P. FitzGerald, N. R. Frasier, A. H. Friedrich, J. Gerendasy, R. Gilady, A. Gottlieb, L. Greenberg, H. B. Hess, W. H. Irish, P. Kresch, A. Kroll, E. Levy, L. Lipshitz, D. B. Lynch, J. Marshak, M. E. Marten, J. P. McHugh, A. H. Myers, E. Nidish, J. G. Patiky, I. C. Prevette, C. L. Reigi, S. L. Rieser, I. H. Russotto, V. A. Ruth, A. J. Shekter, H. A. Siebeneichen, E. Stern, O. L. Stringfield, J. Toporofsky, C. V. Tyner, C. Vejvoda. Total, 44.

## MISCELLANEOUS INFORMATION

Members of the class who receive remittance in the form of postoffice money orders will save trouble if they direct the orders to be made payable at Station F, New York City, this station being but a short distance from the College.

The courses of lectures in other colleges recognized with reference to graduation are the regular sessions of such colleges, and not preparatory or intermediate courses, except when recognized by the Regents (see p. 83). The latter are reckoned only as time of study.

Tickets or diplomas of colleges devoted to any peculiar system of medicine are considered as irregular, and will not be recognized under any circumstances.

The College never issues duplicate diplomas; but official certificates of graduation are given to alumni who present satisfactory evidence that their diplomas have been destroyed or lost.

## STATE REQUIREMENTS OF HIGHER PRELIMINARY EDUCATION

There are now thirty-one states which have adopted requirements of preliminary education in addition to a standard four-year high school education. These states, the number of college years required, and the time the higher requirement becomes effective are as follows:

State Examining Board of	Number of Years Required	Affects Students Matriculating	Affects All Graduates
Requiring two years—			
Alabama.....	2	1915-16	1919
Colorado.....	2	1910-11	1914
Indiana.....	2	1911-12	1915
Iowa.....	2	1911-12	1915
Minnesota.....	2	1908-09	1912
New Hampshire.....	2	1915-16	1919
New Jersey.....	2	1917-18	1921
North Dakota.....	2	1908-09	1912
Oklahoma.....	2	1917-18	1921
South Dakota.....	2	1911-12	1915
Virginia.....	2	1917-18	1921
Wisconsin.....	2	1915-16	1919

State Examining Board of	Number of Years Required	Affects Students Matriculating	Affects All Graduates
Requiring one year—			
Arkansas.....	1	1915-16	1919
California.....	1	1915-16	1919
Connecticut.....	1	1910-11	1914
Illinois.....	1	1915-16	1919
Indiana*.....	1	1910-11	1914
Kansas.....	1	1910-11	1914
Kentucky.....	1	1914-15	1918
Louisiana.....	1	1915-16	1919
Maryland.....	1	1914-15	1919
Michigan.....	1	1914-15	1918
Mississippi.....	1	1915-16	1919
New Hampshire*.....	1	1914-15	1918
New Jersey*.....	1	1916-17	1920
North Carolina.....	1	1914-15	1918
Oklahoma*.....	1	1914-15	1918
Pennsylvania.....	1	1914-15	1918
Rhode Island.....	1	1914-15	1918
Tennessee.....	1	1915-16	1919
Texas.....	1	1914-15	1918
Utah.....	1	1913-14	1917
Vermont.....	1	1913-14	1917
Virginia*.....	1	1914-15	1918
Washington.....	1	1914-15	1918
West Virginia.....	1	1917-18	1921

\* The 2-year requirement also adopted; effective later.

## The College Book Room

A Book Room is conducted by the college for the convenience of the students.

## Board

Arrangements are made by the clerk so that each matriculate of the College will be furnished with good board, including room rent, at a convenient distance from the College building, at very reasonable rates. Information as to board may be obtained from the clerk at his office in the College, or from the Secretary of the Intercollegiate Young Men's Christian Association, 129 Lexington Avenue.

## Correspondence

It would be to the advantage of students if they would register a few days in advance of the opening exercises, secure boarding places, and purchase

books, so that their studies may not be interrupted in the beginning. The Secretary will be in his office every day during September, at 2 P.M.

Letters requesting information should be addressed to

JOHN HENRY WYCKOFF, M.D., Secretary.  
The University and Bellevue Hospital Medical College,  
26th Street and First Avenue.

#### Fees for the Four-years' Course, Session 1916-1917

Matriculation (payable only once on entrance).....	\$5.00
FIRST YEAR	
General Instruction, including Laboratory Instruction* and Dissection.....	\$200.00
SECOND YEAR	
General Instruction, including Laboratory Instruction* and Dissection.....	\$200.00
THIRD YEAR	
General Instruction, including Laboratory Instruction* and Operative Surgery.....	\$200.00
FOURTH YEAR	
General Instruction, including Laboratory Instruction*.....	\$200.00
Examination Fee.....	25.00

Fees must be paid according to foregoing schedules by all matriculates and special students, including those who have already received the degree of M.D., except alumni of the College. Tickets cannot be transferred, and fees will not be returned.

\$125.00 is payable on September 30th and \$75.00 on January 8th, ten days' grace being allowed, at end of which time non-payment will debar from classes.

Alumni of the University Medical College and the Bellevue Hospital Medical College are admitted without fees to the lectures and clinics of the third and fourth years.

Fees cover all expenses at the College except the course in Practical Obstetrics.

NOTE.—When candidates for graduation do not have necessary certificate of attendance on ten cases of labor, a course in Practical Obstetrics can be taken at any time during the third or fourth years in one of several maternity institutions in New York City.

\* Students are required to provide themselves with dissecting case and laboratory materials (slides, cover glasses and boxes for storing slides, etc.) for mounting specimens received in the laboratory, which become their personal property.

#### Fees for Special Students, 1916-1917

Tickets for one or more of the eight departments of Practice of Medicine, Surgery, Obstetrics, Materia Medica, and Therapeutics, Pathology, Physiology, Anatomy, and Chemistry may be taken separately at the rate of \$50 for each department, and each ticket thus taken entitles the holder to all the exercises connected with the department for which it is issued, except the Laboratory courses and dissections; but attendance upon lectures under such separate tickets will not count it any way as part of one of the four regular courses of lectures required for graduation.

The Dissecting ticket may be taken out separately by matriculates only.

Dissection.....	\$15.00
Laboratory Courses in Chemistry, Normal Histology, Pathological Histology, Materia Medica, Gross Pathology and Autopsies, and Clinical Microscopy, each.....	25.00

#### Division of the Examinations for License to Practice Medicine in New York State

In 1901 the Medical Law was amended to give the Regents power to admit conditionally to the licensing examinations in anatomy, physiology and chemistry, applicants certified as having studied medicine not less than two full years of at least nine months each, including two satisfactory courses of at least six months each, in two different calendar years, in a medical school registered as maintaining at the time a satisfactory standard; provided that such applicants are more than 19 years of age, of good moral character, and have the requisite preliminary education, and pay a fee of \$25.00; the final examinations in hygiene and sanitation surgery, obstetrics, gynecology, pathology including bacteriology, and diagnosis, to be met after having finished the full period of study and having received the medical degree. The Regents may, in their discretion, accept as the equivalent of the first year of medical study evidence of graduation from a registered college course, provided that such college course shall have included not less than the minimum requirements prescribed by the Regents for such admission to advanced standing

#### Medical Examinations

Examinations for license to practice medicine in this State will be held on the following dates:

1917	1918	1919	1920
Jan. 30-Feb. 2	Jan. 29-Feb. 1	Jan. 28-31	Jan. 27-30
May 22-25	May 21-24	May 20-23	May 18-21
June 26-29	June 25-28	June 24-27	June 29-July 2
Oct. 2-5	Sept. 24-27	Sept. 16-19	Oct. 5-8

Each candidate is notified as to the exact place.

Address all communications concerning license examinations to *Examination Division, Education Department, Albany, N. Y.*

Students who have passed anatomy, chemistry, physiology and hygiene will be admitted to advanced standing in this college without further examination in these subjects.

### LIST OF TEXTBOOKS

The textbooks marked (\*) are recommended for study in preparation for the recitations and as aids to the practical courses of instruction. The other works mentioned are recommended for collateral reading and as works of reference.

**PRACTICE OF MEDICINE.**—\*Tyson, *Practice of Medicine*, \$5.50; \*Osler, *Practice of Medicine*, \$5.50; Cabot, *Physical Diagnosis*, \$3.25; Albutt, *System of Medicine*, \$4.50 per vol.; Boas, *Diseases of the Stomach*, \$5.50; Anders and Boston, *Medical Diagnosis*, \$6.

**PHYSICAL DIAGNOSIS.**—Flint, *Auscultation and Percussion*, \$2; Slade, *Physical Examination and Diagnostic Anatomy*, \$1.25.

**DISEASES OF THE NERVOUS SYSTEM.**—\*Church and Peterson, *Nervous and Mental Diseases*, \$5; Henry Hun, *Differential Diagnosis of the Diseases of the Nervous System*, \$8; M. A. Starr, *Diseases of the Nervous System*, \$6; C. L. Dana, *Diseases of the Nervous System*, \$5; Cohen and Scratchley, *Guide to Electro-Diagnosis and Electro-Therapeutics*, \$2.

**PRINCIPLES AND PRACTICE OF SURGERY.**—\*Rose and Carless, *Manual of Surgery*, \$6; \*Bryant, *Operative Surgery*, 2 vols., \$10; *American Textbook of Surgery*, \$7; Da Costa, *Modern Surgery*, \$5.50; *American Practice of Surgery*, Bryant and Buck, 8 vols., \$8 per vol.; Haubold, *The Preparation and After-Treatment in Operative Cases*, \$6; Binnie, *Manual of Operative Surgery*, \$7.50.

**ORTHOPEDIC SURGERY.**—\*Sayre, *Club-foot*, \$1; \*Sayre, *Orthopedic Surgery and Diseases of the Joints*, \$4; \*Whitman, *Orthopedic Surgery*, \$5.50; Bradford and Lovett, *Orthopedic Surgery*, \$5; Thorndyke, *Manual of Orthopedic Surgery*, \$2.50.

**OBSTETRICS.**—Williams' *Obstetrics*, \$6; De Lee, *Principles and Practice of Obstetrics*, \$8; Edgar's *Practice of Obstetrics*, \$6.

**GYNÆCOLOGY.**—Dudley, *Gynæcology*, \$5; Hirst, *Gynæcology*, \$5; Penrose, *Gynæcology*, \$3.75; Montgomery, *Practical Gynæcology*, \$6; Crossen's *Diseases of Women*, \$6.

**PEDIATRICS.**—\*Holt, *Diseases of Infancy and Children*, \$6; Rotch, *Pediatrics*, \$6; Carr, *The Practice of Pediatrics*, \$6.

**MATERIA MEDICA AND THERAPEUTICS.**—\*Cushny, *Pharmacology and Therapeutics*, \$3.75; \*Meyer and Gottlieb, *Experimental Pharmacology*, \$6; \*U. S. Pharmacopœia, \$2.50; \*Brundage, *Manual of Toxicology*, \$1.50; *National Dispensatory*, \$6; \*Sollman, *Textbook of Pharmacology*, \$4; Thornton, *Dosebook and Manual of Prescription Writing*, \$2; \*Physicians' Manual of U. S. Pharmacopœia and National Formulary, 50 cents.

**PHYSIOLOGY.**—Starling, *Principles of Human Physiology*, \$5; Howell, *Textbook of Physiology*, \$4; Tigerstedt, *Textbook of Physiology*, \$4; Lusk's *Science of Nutrition*, \$3.

**ANATOMY.**—\*Cunningham, *Textbook of Anatomy*, \$6; \*Minot, *Laboratory Textbook of Embryology*, \$3.50; \*Cunningham, *Manual of Practical Anatomy*, \$5; \*Stöhr, *Textbook of Histology (Lewis)*, \$3; Schäfer, *Essentials of Histology (for Veterinary Students)*, \$3.50; for reference: Quain, *Anatomy*; Keibel and Mall, *Human Embryology*.

**CHEMISTRY.**—\*Hammarsten, translated and edited by Mandel, *Physiological Chemistry*, \$4; \*Arnold's *Compendium of Chemistry*, translated by Mandel, \$2.80; \*Jones, *Physical Chemistry*, \$4; \*Norris, *Organic Chemistry*, \$2.13; Phillip, *Physical Chemistry*, \$2.10; Jones, *Physical Chemistry*, \$4; \*Hawk, *Practical Physiological Chemistry*, \$2.50; Kobert's *Practical Toxicology*, \$2.50.

**OPHTHALMOLOGY.**—\*Weeks, *Diseases of the Eye*, \$6; \*Jackson, *Diseases of the Eye*, \$2.50; \*May, *Diseases of the Eye*, \$2.

**OTOLOGY.**—\*Dench, *Diseases of the Ear*, \$5.

**DISEASES OF THE THROAT AND NOSE.**—\*Bosworth, *Diseases of the Nose and Throat*, \$4.50; \*Coakley, *Manual of Diseases of Nose and Throat*, \$2.75.

**DISEASES OF THE GENITO-URINARY SYSTEM.**—\*Keyes, *Genito-Urinary Diseases*, \$6; Morton, *Genito-Urinary Diseases and Syphilis*, \$4; White and Martin, *Genito-Urinary and Venereal Diseases*, \$6; Watson and Cunningham, *Genito-Urinary Diseases*, 2 vols., \$6 per vol.; Greene and Brooks, *Diseases of the Genito-Urinary Organs and Kidneys*, \$5; Casper, translation by Bonney, *Genito-Urinary Diseases*, \$5.

**MENTAL DISEASES.**—Diefendorf, *Clinical Psychiatry*, \$3.50; White, *Outlines of Psychiatry*, \$2.50.

**DERMATOLOGY.**—\*Jackson, *Diseases of the Skin*, \$3; Stelwagon, *Diseases of the Skin*, \$6; Pusey, *Principles and Practice of Dermatology*, \$6; Kingsbury, *Dermochromes*.

BACTERIOLOGY AND HYGIENE.—\*Park and Williams, *Pathogenic Microorganisms* (Bacteria and Protozoa), \$4; *Immune Sera*, Bolduan, \$1.50; Rosenau, *Hygiene and Sanitation*, \$6; Bergey, *Principles of Hygiene*, \$3.

PATHOLOGICAL ANATOMY AND HISTOLOGY.—\*Adami & McCrae, Delafield and Prudden, *Handbook of Pathological Anatomy and Histology*, \$5.50; Ziegler, *General Pathology*, \$5.50; Wells, *Chemical Pathology*, \$3.25; Wood's *Chemical and Microscopical Diagnosis*, \$5; Simons, *Clinical Diagnosis*.

DISEASES OF THE RECTUM.—J. P. Tuttle, \$6; Goodsall and Miles, \$2.50.

LIFE INSURANCE EXAMINATIONS.—Symonds, \$1; *Moral Philosophy of Medicine by an American Physician*, \$1.50.

Textbooks, etc., may be obtained in the College Book Room.

## UNIVERSITY COLLEGE ANNOUNCEMENT OF MEDICAL PREPARATORY COURSE\*

### *General Statement*

Requirements for admission to the University and Bellevue Hospital Medical College of New York University include one year of college work in addition to graduation from an approved four-year high school course or its equivalent. This year of college work must include courses in Physics, Chemistry, and Biology. To meet this requirement the University College offers a Medical Preparatory Section in its Freshman year which includes these required subjects, the certificate of completion of which entitles the student to admission to the Freshman Class of the Medical College.

This course is offered in two divisions; the first, for those completing their secondary preparation in June, will extend throughout the regular college year from September to the following June, the second, for those completing their high school course or its equivalent in January, will extend from January 31 to September 23, 1916. A student who is prepared for college at the middle of the year will thus be enabled to enter the Medical School the following October and save one year's time in the preparation for his profession.

### *Admission*

Entrance to the preparatory college course for Medical Students will be based upon any one of the following evidences of qualification:

- (1) A diploma of graduation from a four-year high school course recognized by the Regents of the State of New York.
- (2) A certificate of the College Entrance Examination Board covering fifteen units of Secondary School Subjects.
- (3) Entrance examinations of the University College covering fifteen units of Secondary School Subjects.
- (4) A certificate of admission to the freshman class of a recognized college.

### *Matriculation*

Matriculation and registration will follow the general regulations except that students entering for February-September division

\* NOTICE.—Students entering the Medical College on and after January 1, 1918, will be required to present two years of college work for admission.

may matriculate and register at any time during the week preceding the opening of the term.

For matriculation blanks and further information apply to Dean A. L. Bouton, New York University, University Heights, New York City.

#### Fees

Fees for the Medical Preparatory Course are as follows:

Matriculation fee (paid once only) . . . . .	\$5.00
Tuition fee . . . . .	125.00
Annual incidental fee (payable at beginning of first term)	
Total laboratory fee for the year . . . . .	25.00
Athletic Association fee . . . . .	5.00
Fee for non-athletic student activities . . . . .	5.00

The tuition fee is payable \$75 at the beginning of the first term and \$50 at the beginning of the second term, ten days' grace being allowed at the end of which time non-payment will debar from classes. This rule applies also to room rents. All other fees are payable upon entrance.

**SPECIAL NOTICE.**—In accordance with the action of the Executive Committee of the Council taken at its meeting of January 26, 1916, the tuition fee will be increased to \$170, this amount to include the incidental fee, but not the athletic and non-athletic fees, \$5 each. This will apply to all new students entering after January 1, 1917, and to all students after June 30, 1919.

#### Calendar

The first (September-June) division will begin on Monday, September 25 and extend to Wednesday, June 6 with the following holidays: November 7, Election Day; November 30–December 2, Thanksgiving recess; December 23–January 1, Christmas recess; April 5–9, Easter recess; May 30, Memorial Day.

The second (February-September) division will begin on February 5 and will continue to September 22 with the following holidays and vacations: April 5–9, inclusive, Easter recess; May 30, Memorial Day; June 4–9, Commencement recess, and July 4, Independence Day.

## OUTLINE OF COURSES

### MEDICAL PREPARATORY COURSE

#### September-June Division

First Term		Second Term	
English 10 . . . . .	3	English 20 . . . . .	3
German 11 } . . . . .	3	German 21 } . . . . .	3
or		or	
French 11 } . . . . .	4	French 21 } . . . . .	4
Physics 11 . . . . .		Physics 21 . . . . .	
Chemistry 10, 14 or 11, 15 . . . . .	4	Chemistry 20, 24 or 21, 25 . . . . .	4
Biology 11 . . . . .	4	Biology 21 . . . . .	4
Physical Training 10 . . . . .	1	Physical Training 20 . . . . .	1
	—		—
	19		19

#### February-September Division

February-June		June-September	
English 10 . . . . .	3	English 20 . . . . .	3
German 11 } . . . . .	3	German 21 } . . . . .	3
or		or	
French 11 } . . . . .	3	French 21 } . . . . .	5
Physics 12 . . . . .		Physics 22 . . . . .	
Biology 11, 21 . . . . .	8	Chemistry 11, 14 and 21, 24 . . . . .	8
Physical Training 10 . . . . .	1		
	—		—
	18		19

A student who has completed Section C, the Medical Preparatory course of the Freshman year, and who desires to pursue the college course before taking up his professional studies is admitted to the Sophomore class and becomes a candidate for the degree of Bachelor of Science upon the completion of any of the eight parallel groups with such modifications as may be approved by the committee on Scholarship.

#### TWO YEAR MEDICAL PREPARATORY COURSE

The Faculty of the University College offers a Two-Year Medical Preparatory Course for the benefit of those who desire a broader cultural foundation for their professional studies. Upon the completion of the Freshman year, Section C, as described above, the student may elect for his second or Sophomore year the following schedule:

First Term	Credits	Second Term	Credits
Chemistry 16	} ..... 3	Chemistry 26	} ..... 3
or Biology 50		or Biology 60	
French 30	} ..... 3	French 40	} ..... 3
or German 30		or German 40	
History 30	} ..... 3	History 40	} ..... 3
or Philosophy 30		or Philosophy 40	
Physical Training 30	..... 1	Physical Training 40	..... 1

And sufficient credits from the list of electives open to Sophomores to bring the total number of credits up to at least sixteen each term.

### COURSES OF INSTRUCTION

10-20. RHETORIC AND COMPOSITION.—Study of the principles of composition, themes; individual criticism with conferences; practice in the second term mainly in exposition and narration, and in letter writing. Conferences. Readings in modern literature.

First and second terms. 3 credits each term.

11. GERMAN. NARRATIVE PROSE.—(Prerequisite: Two years of German or equivalent.) The reading of selected narrative prose, the study of word formation and syntax, the memorizing of idioms, and translation of easy English prose into German. Wildenbruch's *Das edle Blut*, Saar's *Die Steinklopfer*, Eichendorff's *Aus dem Leben eines Taugenichts*, Keller's *Kleider machen Leute*. Pope's German Prose Composition. Lectures upon German customs and manners.

First term. 3 credits.

21. THE GERMAN NOVEL.—(Prerequisite: Course 11 or equivalent.) The reading of some representative German novels, discussion of some of the easier problems of literary structure, the study of the more difficult idioms and points of syntax, and the writing of simple themes in German. Hauff's *Lichtenstein*, Freytag's *Soll und Haben*, Ludwig's *Zwischen Himmel und Erde*, and Sudermann's *Frau Sorge*. Lectures on the history of German literature.

Second term. 3 credits.

(Courses 11 and 21 are designed for students presenting Elementary German at entrance.)

11-21. FRENCH GRAMMAR AND TRANSLATION.—(Prerequisites: French 10-20.) Advanced syntax, composition (Fraser and Squair's "French Grammar." Part II); selected readings from modern authors.

First and second terms. 3 credits.

(NOTE: Courses 11-21 are designed for students presenting Elementary French, based on two years of high school preparation, at entrance.)

11-21. GENERAL PHYSICS FOR MEDICAL PREPARATORY STUDENTS.—Lectures, recitations, 3 hours, and laboratory 2 hours weekly.

First and second terms. 4 credits each term.

10-20. INTRODUCTORY GENERAL CHEMISTRY.—Introductory course in inorganic chemistry, for students not previously prepared in chemistry. To be accompanied by Chemistry 12-22 or 14-24. Two lectures and one quiz hour weekly.

First and second terms. 2 credits each term.

14. EXPERIMENTAL CHEMISTRY.—Elementary laboratory experimentation, for Medical Preparatory, Civil Engineering and Mechanical Engineering Freshman taking Chemistry 10. Four laboratory hours weekly.

First term. 2 credits.

11-21. GENERAL CHEMISTRY.—(Prerequisite: High School Chemistry.) A study of the facts and theories of general chemistry, to be accompanied by Chemistry 13-23 or 15-25. Two lectures and one quiz hour weekly.

First and second terms. 2 credits each term.

15-25. CHEMISTRY QUALITATIVE ANALYSIS.—A course in Systematic Qualitative Analysis, for Medical Preparatory, Civil Engineering and Mechanical Engineering Freshman taking Chemistry 11-21. Three laboratory hours weekly and one quiz hour.

First and second terms. 2 credits each term.

24. INTRODUCTORY QUALITATIVE ANALYSIS.—A short course in Qualitative Analysis, for Medical Preparatory, Civil Engineering and Mechanical Engineering Freshmen taking Chemistry 20. Four laboratory hours weekly.

Second term. 2 credits.

11-21. GENERAL BIOLOGY (Medical Preparatory).—Lectures and laboratory exercises. Study of selected forms of plants and animal life.

First and second terms. 4 credits.

10-20. PHYSICAL TRAINING. 1 credit.

Examination. Upon entering college, each student is required to present himself to the Physical Director for a physical examination.

UNIVERSITY AND BELLEVUE HOSPITAL MEDICAL  
COLLEGE

ROLL OF STUDENTS 1915-1916

Fourth Year

Alexander, Morris E., 284 N. Main St., Waterbury, Ct.	468 E. 149th St.
Berlucci, William G.	115 Skillman Ave., Brooklyn
Brady, Thomas A.	2019 Morris Ave.
Breakey, Ralph S., Monticello, N. Y.	231 E. 124th St.
Brock, Samuel	159 W. 125th St.
Brodie, Benjamin R.	127 W. 112th St.
Cahill, J. Raymond, Montgomery, N. Y.	217 E. 27th St.
Calvelli, Eugene, Ph.G., Ph.C.	2170 Second Ave.
Calvelli, George, Ph.G., Ph.C.	2170 Second Ave.
Dixon, Herbert C., B.S., Siler City, N. C.	106 Lexington Ave.
Fauquier, Leonard B.	62 Atlantic St., Jersey City, N. J.
Feldman, Harry	28 Broome St., Brooklyn
Fitzgerald, James P., Clayton, N. Y.	234 E. 32d St.
Frasier, Nelson R., Glens Falls, N. Y.	129 Lexington Ave.
Freidrich, Adam H.	169 Polk St., Newark, N. J.
Gerendasy, Julius	428 E. 67th St.
Gilady, Raphael, Asia	15 E. 113th St.
Gottlieb, Abraham L.	174 Messerole St., Brooklyn
Gray, Albert S.	5918 Bay Parkway, Brooklyn
Greenberg, Lewis	197 Monroe St., Brooklyn
Hess, Henry B.	358 Eleventh Ave., Paterson, N. J.
Irish, William H.	120 E. 17th St.
Janoff, Martin L.	570 Blake Ave., Brooklyn
Kresch, Philip	575 Boulevard, Bayonne, N. J.
Kroll, Adolph Jr.	527 Lexington Ave., Clifton, N. J.
Levy, Edward	36 Siegel St., Brooklyn
Lipshitz, Louis	330 Broadway, Bayonne, N. J.
Lynch, Daniel B., Glens Falls, N. Y.	129 Lexington Ave.
Marshak, Joseph	324 E. 9th St.
Marten, Manuel E., Ph.G.	361 W. 20th St.
McHugh, John P., Glens Falls, N. Y.	234 E. 32d St.
Minin-Berg, Philip	31 Avenue B
Myers, Alonzo H., M.D., Princeton, W. Va.	126 E. 59th St.
Nidish, Edward	140 W. 98th St.
Patiky, Joseph G.	Kings Park, N. Y.

Prevette, Isaac C., B.S., North Wilkesboro, N. C.	106 Lexington Ave.
Reigi, Charles L.	71 Van Duzer St., Tompkinsville, N. Y.
Rieser, Sidney L., Middletown, Ct.	130 E. 92d St.
Russotto, Irving H.	Far Rockaway, N. Y.
Ruth, Verl A., 2540 Forest Drive, Des Moines, Iowa	49 E. 30th St.
Schenck, Samuel B.	604 Stone Ave., Brooklyn
Shekter, Abraham J.	422 Bradford St., Brooklyn
Siebeneichen, Hugo A. J.	699 E. 160th St.
Stern, Emanuel	206 E. 75th St.
Stringfield, Oliver L., Jr., B.S., Ridgecrest, N. C.	224 E. 32d St.
Toporofsky, Jacob	33 Essex St.
Tyner, Carl V., B.S. Love, N. C.	224 E. 32d St.
Vejvoda, Charles	338 E. 72d St.
TOTAL	48

Third Year

Abrams, Julius	760 E. 155th St.
Alexander, Max	1322 Fifth Ave.
Andrews, Mitchell M., College View, Neb.	170 Lexington Ave.
Anesh, Abraham	1165 Bryant Ave.
Bender, Morris S.	184 New York Ave., Jamaica, N. Y.
Bowlby, Herbert M.	Hotel Lafayette, 9th St. and Univ. Pl.
Broadwin, Israel T.	953 Fox St.
Caldrony, Thomas L.	North Hackensack, N. J.
Calvelli, Alfred F.	2170 Second Ave.
Crecca, William D.	213 Eighth Ave., Newark, N. J.
Dubovsky, Benjamin	342 E. 15th St.
Ewing, Ephraim M., Sc.D., St. Louis, Me.	867 W. 181st St.
Feuerstein, Harry B.	713 6th St.
Fischer, John R., Cold Spring-on-Hudson, N. Y.	318 W. 57th St.
Fischman, Max C.	72 Lewis St.
Fuchs, Morris L.	89 Goerck St.
Gavin, Joseph E.	131 W. 61st St.
Gleich, Morris	780 Prospect Ave.
Goldstein, William H.	122 Johnston Ave., Kearny, N. J.
Greenberg, Isidore	1721 Fulton Ave.
Griffin, Howard P., B.A., 50 LeRoy St., Binghamton, N. Y.	201 E. 30th St.
Howell, Benjamin W.	21 Schuyler Ct., Bayonne, N. J.
Jordan, Lewis G.	126 W. 102d St.
Karutz, Charles D.	826 Macon St., Brooklyn
Katz, Harry	141 Broome St.
Klorman, Morris	99 Second Ave.

Knoll, Louis F.	98 Moffatt St., Brooklyn
Koffler, Arnold	1315 Prospect Ave.
Kutisker, Meyer J.	239 E. 11th St.
Lorenze, Edward J., Jr.	1658 Lexington Ave.
Mancusi-Ungaro, Elvior	156 Mt. Prospect Ave., Newark, N. J.
Mangiaracina, Joseph A.	655 Hart St., Brooklyn
Margolies, Abraham L.	31 Essex St.
Mason, Wylie C., 115 Stanwix St., Rome, N. Y.	129 Lexington Ave.
Menninger, George C.	1482 Bryant Ave.
Miller, Milton A.	195 Prospect Park West, Brooklyn
Montag, Joseph F.	724 57th St., Brooklyn
Murase, Kuro, M.D., Aichi, Japan	86 Lexington Ave.
Noll, J. Emerson	501 W. 138th St.
O'Connell, Walter J.	990 Decatur St., Brooklyn
Orgel, Samuel Z.	9 W. 117th St.
Patton, Jesse R., 133 Lippincott Ave., Long Branch, N.J.	129 Lexington Ave.
Rashbaum, Maurice, B.S.	617 W. 141st St.
Ray, Henry M.	253 Madison St.
Resnicoff, Max	220 Hart St., Brooklyn
Schoenfeld, Dudley D.	62 Second Ave.
Schulhofer, Jack	709 Union Ave.
Schwager, Solomon	255 E. 7th St.
Seaman, James C., West Creek, N. J.	86 1st St.
Siff, Coleman S.	160 Madison St.
Silverstein, William H.	343 Bedford Ave., Brooklyn
Sirken, Charles	153 Grove St., Passaic, N. J.
Smith, James W.	69 MacDougall St., Brooklyn
Solomon, Harry, 19 Willard St., Waterbury, Ct.	830 Kelly St.
Sonkin, Max	15 E. 107th St.
Sumner, Irving	82 De Bevoise St., Brooklyn
Szerlip, Leopold, 421 Boulevard, Rockaway Beach, N. Y.	1719 Madison Ave.
Team, Robert B., Oklahoma City, Okla.	201 E. 30th St.
Toshach, Clarence E.	782 Morris Park Ave.
Tropauer, David	310 E. 19th St.
Weiner, Joseph	322 Rodney St., Brooklyn
Weinstock, Michael	267 Camden St., Newark, N. J.
Weintraub, Frederick	1262 40th St., Brooklyn
Williams, Edward J., Wingate, N. C.	224 E. 32d St.
Williams, William P., Center Moriches, N. Y.	129 Lexington Ave.
Winarsky, Morris	314 Thatford Ave., Brooklyn
Yordan, Luis A., 26 Mendez-Vigo St., Ponce, P. R.	10 St. Nicholas Ter.
York, Edwin W., Newark, N. Y.	201 E. 30th St.
TOTAL	68

## Second Year

Abraham, Benjamin H., 2 Robinson St., Providence, R. I.	23 Lewis St., Brooklyn
Abrams, Solomon B., 2390 E. 46th St., Cleveland, O.	2563 Bainbridge Ave.
Ansheles, Joseph	490 Richmond Ave., Port Richmond, N. Y.
Antweil, Abraham, 817 Macon St., Ft. Worth, Texas	215 Rutledge St., Brooklyn
Appel, Frank	132 St. Mark's Pl.
Ash, Frank W.	192 Vreeland Ave., Paterson, N. J.
Atwood, Edward A.	29 E. 16th St., Paterson, N. J.
Berger, Louis	147 Bridge St., Brooklyn
Berkowitz, Max	480 Warwick St., Brooklyn
Berlin, Haskel	153 W. 145th St.
Bikoff, Harry S.	93 Graham Ave., Brooklyn
Bonnefond, George H., Hancock, N. Y.	201 E. 30th St.
Bornstein, Morris	414 Jerome St., Brooklyn
Brams, William M.	848 S. 14th St., Newark, N. J.
Braunfeld, Sigmund	1334 Third Ave.
Braunstein, Abraham	936 Kelly St.
Breakstone, Benjamin	26 Canal St.
Brennan, Ralph	169 Virginia Ave., Jersey City, N. J.
Briller, Isador	594 Bainbridge St., Brooklyn
Cohen, Harry F.	247 4th St., Jersey City, N. J.
Cohn, Isidor	200 Vernon Ave., Brooklyn
Combes, Frank C., Jr.	129 Lockwood Ave., New Rochelle, N. Y.
Cowan, Herman	1174 Jackson Ave.
Davidson, Louis R.	1166 West Farms Rd.
Del Deo, Nicholas V.	1009 Second Ave.
Demarest, Lawrence M.	42 Jane St., Englewood, N. J.
De Noyelles, Percy L.	381 Webster Ave., Jersey City, N. J.
Diamond, Emanuel I.	284 E. 9d St.
Eidelsberg, Joseph, Asbury Park, N. J.	501 W. 176th St.
Eis, Benjamin M.	1000 Fulton St., Brooklyn
Fabricant, Samuel, 22 Griggs St., Waterbury, Ct.	853 Macy Pl.
Fineberg, Jacob	343 4th St., Jersey City, N. J.
Frankel, Harry L.	293 Glenmore Ave., Brooklyn
Freedman, Samuel	170 Henry St.
Freimark, Louis	285 Throop Ave., Brooklyn
Friedner, Joseph J.	328 Montgomery St., Jersey City, N. J.
Gifford, William R.	194 Manhattan Ave., Jersey City, N. J.
Gilman, Paul J.	543 Third Ave.
Goldberg, Robert M.	443 Pleasant Ave.

Goldstein, Abraham	444 E. 147th St.
Greenwald, Samuel	745 E. 6th St.
Gubin, Sydney	201 W. 117th St.
Hancock, Heber C., 2680 Jackson St., Ogden, Utah	33 W. 128th St.
Heinkey, Henry W.	1049 Jackson Ave.
Herold, Harvey T.	21 Brunswick St., Newark, N. J.
Hirsch, Aaron	51 Graham Ave., Brooklyn
Holters, Otto	302 W. 146th St.
Howe, Byron E., Wilmington, Vt.	129 Lexington Ave.
Irang, Samuel	440 E. 146th St.
Kaplan, Samuel	1687 Bathgate Ave.
Klapper, Harry	424 E. 140th St.
Kleiner, Benjamin	119 Belmont Ave., Brooklyn
Klugman, Louis W.	352 Broadway, Bayonne, N. J.
Lessem, Elias A.	2182 Dean St., Brooklyn
Levinsohn, Samuel A.	10 Elmore Ave., Englewood, N. J.
Lewandowski, Stephen	703 Fourth Ave., Brooklyn
London, William W.	163 State St., Perth Amboy, N. J.
Lubin, Edward K.	128 W. 120th St.
Lubin, Philip	128 W. 120th St.
Mandelbaum, Harry	37 De Bevoise St., Brooklyn
Maratea, Antonio G.	1009 Second Ave.
Margolius, Benjamin J.	265 W. 130th St.
Markow, Harry, 261 Main St., Norwich, Ct.	387 E. 10th St.
Marks, Joseph, 210 S. Main St., Warren, R. I.	51 W. 114th St.
Mattia, Anthony F.	15 Sixth Ave., Newark, N. J.
Matusoff, Irving	305 Hinsdale St., Brooklyn
Miraglia, Humbert M.	2287 First Ave.
Mitchell, Michael	408 Sumner Ave., Brooklyn
Moskowitz, Frank	873 Gates Ave., Brooklyn
Nicola, Toufick	Cedar Grove, N. J.
Partnoy, Nathan	22 E. 108th St.
Petz, Gustav R.	315 E. 123d St.
Ponolo, John N.	243 Oliver St., Newark, N. J.
Posner, Herman P.	790 Cauldwell Ave.
Rammol, Harry	441 E. 116th St.
Ratner, A. Bret	1536 Madison Ave.
Rogowitz, Solomon	204 W. 143d St.
Rosen, A. Harry	424 E. 157th St.
Rosen, Neil G.	359 Lexington Ave.
Rosenberg, Maximilian	232 McKibben St., Brooklyn
Rosenblatt, Jacob M.	185 Second St.

Roth, Sandor	505 6th St.
Sackadorf, H.	339 William Ave., Brooklyn
Saeli, Anthony	1226 52d St., Brooklyn
Sawhill, John E., Concordia, Kans.	196 New York Ave., Brooklyn
Schilke, Max	630 Bergen Ave.
Schillinger, Raphael	177 Seventh Ave.
Schneider, Max	216 E. Houston St.
Schomer, Alexander	2 W. 113th St.
Schwartz, Aaron	105 E. Broadway
Secofsky, David P.	16 E. 106th St.
Shulman, Abraham	249 Hamilton Ave., Paterson, N. J.
Siegal, Wolf	710 Third Ave.
Sigler, Louis	131 Henry St.
Smith, Harold A.	684 St. Nicholas Ave.
Solomon, Charles	126 Vernon Ave., Brooklyn
Stein, Jacob	366 Bedford Ave., Brooklyn
Stockfisch, Robert	48 Prospect St., Jersey City, N. J.
Tannenbaum, Israel	222 Henry St.
Thommen, August S.	294 Third Ave.
Torraca, Ralph A.	27 Hoyt St., Danbury, Ct.
Uviller, Isidore	282 Christopher Ave., Brooklyn
Vinsky, Frank	116 N. 9th St., Brooklyn
Vorhaus, Martin G.	Westfield, N. J.
Weiner, Morris M.	833 Park Ave., Brooklyn
Weinstein, Irving S.	273 Christopher Ave., Brooklyn
Weiss, Max	337 E. 10th St.
Wertheimer, John, 70 Park Ave., Waterbury, Ct.	346 E. 20th St.
Willner, Isidor	202 Broad St., Stapleton, N. Y.
Wolfe, Samuel	104 Amboy St., Brooklyn
Workman, Meyer	1348 Fifth Ave.
TOTAL	111

## First Year

Abrams, Joseph	53 Manhattan Ave., Brooklyn
Amsterdam, Alton L.	108 Stanton St.
Apperman, Isaac	472 Gates Ave., Brooklyn
Babbin, Jacob	336 Ellery St., Brooklyn
Banvard, Navy	90 Maple St., Paterson, N. J.
Barney, Person W.	Sound Beach, Ct.
Becker, Curtis J.	1156 Richmond Ter., Livingston, N. Y.
Behrens, Herman, H. E.	2185 Boulevard, Jersey City, N. J.

Blankfein, Abraham	1313 Brook Ave.
Bloch, Harry	359 E. Jersey St., Elizabeth, N. J.
Bloom, Jacob M.	401 E. 16th St.
Bloom, Robert R.	46 State St., Ossining, N. Y.
Bluestone, Herbert I.	144 W. 113th St.
Bogatko, Anthony S.	1050 E. Grand St., Elizabeth, N. J.
Boice, Freeman R., <i>Madalin, N. Y.</i>	128 Lexington Ave.
Bove, Joseph	72 Park St., Orange, N. J.
Brady, Thomas S.	43 Lord Ave., Bayonne, N. J.
Brandstein, Maxwell C.	103 S. 2d St., Brooklyn
Brandwein, Julius	364 Tenth St.
Brunner, Matthew	892 Eastern Parkway, Brooklyn
Bull, Louis M., B.S.	430 W. 116th St.
Caponegro, Francis	174 Canal St.
Casey, Albert H., <i>216 N. Geneva St., Ithaca, N. Y.</i>	170 Lexington Ave.
Cohen, Alexander, <i>114 Dwight St., New Britain, Ct.</i>	225 E. 30th St.
Cohen, Charles R.	339 Hopkinson Ave., Brooklyn
Cohen, Morris	1208 40th St., Brooklyn
Cohen, Simeon, <i>404 Main St., Ansonia, Ct.</i>	225 E. 30th St.
Comora, Alexander	262 Floyd St., Brooklyn
Comora, Herman	306 Summit Ave., W. Hoboken, N. J.
Cunningham, Henry K., <i>914 S. Gay St., Knoxville, Tenn.</i>	119 E. 28th St.
Curzio, Menott	230 Pleasant Ave.
Damelio, William J.	590 E. 169th St.
Damico, Americ G.	107 E. 127th St.
Daub, Arthur B.	539 E. 87th St.
Delaney, Oscar M., <i>Wharton, N. J.</i>	106 Lexington Ave.
De Pietro, Joseph	186 Spring St.
Dienstag, Louis	1397 Stebbins Ave.
Dobroczyński, Barnett	216 E. Houston St.
Donheiser, Emanuel	891 Tiffany St.
Dorf, Herman	309 E. 8th St.
Dren, George W.	110 2d St., Passaic, N. J.
Ebeling, Albert H., <i>Towaco, N. J.</i>	Rockefeller Institute, 66th St. and Avenue A
Eckert, William	283 West St., West Hoboken, N. J.
Elvidge, Abraham J.	190 Broome St.
Engelsher, David L.	117 Pitt St.
Enselberg, Herman L.	302 Pulaski St., Brooklyn
Epstein, Irving	343 Vernon Ave., Brooklyn
Ervin, Millard B.	Matawan, N. J.
Farber, David	1760 Bergen St., Brooklyn

Fauer, Edward	739 E. 5th St.
Ferber, Samuel J.	311 E. 3d St.
Fink, Abraham	360 Knickerbocker Ave., Brooklyn
Flandina, Anthony	14 W. 65th St.
Francis, Charles C.	23 Everett Ave., Ossining, N. Y.
Frevola, John	208 21st St., Brooklyn
Fuchs, Louis	1425 50th St., Brooklyn
Genovese, Frank J.	645 Crescent St., Astoria, N. Y.
Gershnowitz, Edward I.	1330 Bristol St.
Ginsburg, Meyer	1573 Fulton Ave.
Gochman, Harry M.	230 S. 2d St., Brooklyn
Goebel, Martin	120 Nassau Ave., Brooklyn
Goldberg, Burtis E.	Belgrove Drive, Arlington, N. J.
Goldring, Morris	309 E. Houston St.
Goldstein, Julius	260 Monroe St.
Goodman, Walter B.	197 Summit Ave., Jersey City, N. J.
Graefe, Carl F., <i>Sandusky, O.</i>	233 E. 32d St.
Greenberg, Abraham A.	649 Saratoga Ave., Brooklyn
Greenberger, Monroe E.	117 W. 120th St.
Henderson, Archibald B.	8 Pier St., Yonkers, N. Y.
Herrman, Harold C.	24 E. 99th St.
Hershkowitz, Louis J.	950 Leggett Ave.
Heyman, Joseph	81 State St., Passaic, N. J.
Hirsch, John	673 Driggs Ave., Brooklyn
Hochbrueckner, John P., <i>Wolcott, N. Y.</i>	30 E. 22d St.
Hochman, Louis	110 1st St.
Hoops, Harold J.	167 Ege Ave., Jersey City, N. J.
Hornstein, Samuel L.	305 3d St., Jersey City, N. J.
Horre, George W. H.	960 E. Jersey St., Elizabeth, N. J.
Israelowitz, Benjamin	341 E. 3d St.
Johnson, Austin B.	Inwood, N. Y.
Johnson, Lloyd R.	Asbury, N. J.
Joselowitz, Morris N.	70 Varet St., Brooklyn
Kaminstein, Isidor	524 Graham Ave., Brooklyn
Kera, Morris H.	105 Second Ave.
Kirschner, William L.	80 W. 82d St.
Klein, Edward, <i>Keasbey, N. J.</i>	4801 Third Ave., Brooklyn
Klein, Frederick V.	1152 Lafayette Ave., Brooklyn
Klein, Samuel M.	55 N. Jackson Ave., Corona, N. Y.
Kohn, Lawrence A.	45 Hamilton Ter.
Kolb, John M., <i>2601 California Ave., Curtis Oaks, Sacramento, Cal.</i>	180 Summit Ave., W. Hoboken, N. J.

Koster, Axel	110 E. 126th St.
Kravitz, Jacob	162 Stanton St.
Krugman, Bertram	1161 Longfellow Ave.
Lederfeind, Nathan, 401 So. James St., Rome, N. Y.	115 E. 26th St.
Levene, George	1209 President St., Brooklyn
Levin, Charles M.	1736 Walnut St., Glen Morris, N. Y.
Levine, Israel	364 Palisade Ave., Jersey City, N. J.
Lilienfeld, Michael C. C.	230 E. 3d St.
Luban, Benjamin	362 Clifton Pl., Brooklyn
Lueddecke, Roland E.	147 Dermon St., Passaic, N. J.
Maeth, David	218 E. 70th St.
Malatesta, Charles S.	308 Garden St., Hoboken, N. J.
Manheim, Sylvan D.	1012 Simpson St.
Martin, Clinton H., 110 West St., Clinton, Mass.	410 West 51st St.
McLave, Evan W.	Hillside Ave., Hastings-on-Hudson, N. Y.
McManus, James P., Towners, N. Y.	212 E. 32d St.
Meshel, Isadore H.	437 41st St., Brooklyn
Mintz, Nathaniel I., 5122 Portland Ave., Cleveland, O.	1057 Faile St.
Mirkin, Charles S.	1458 Wilkins Ave.
Mirkin, Isidore	1348 Wilkins Ave.
Morhard, Francis L.	907 Cauldwell Ave.
Munzer, Milton	85 Union Ave., Brooklyn
Nammack, Griswold D.	21 Mott Ave., Far Rockaway, N. Y.
Newman, Samuel	113 E. 31st St.
O'Connell, John A.	220 E. 20th St.
Orens, Leonard	1200 Simpson St.
Paglinghi, John J.	405 Park Ave., Union Hill, N. J.
Paskofsky, William M.	25 Jefferson St.
Pearlman, Saul J.	412 Powell St., Brooklyn
Phillips, Richard C.	Bayview Ave., Lawrence, N. Y.
Powell, William J.	328 Jackson Ave.
Questa, Guido J., Main St., Arcade, N. Y.	327 W. 26th St.
Rappaport, Albert	284 Hooper St., Brooklyn
Reich, William	103 E. 116th St.
Richmond, Samuel	86 Hamilton Ave., Passaic, N. J.
Rinkoff, Solomon	2554 Eighth Ave.
Rogers, Henry W.	303 E. 142d St.
Rosenberg, David	25 Gouverneur St.
Rosenfield, Hiram H., 266 Park Pl., Woonsocket, R. I.	72 Hudson St., Hoboken, N. J.
Rosenthal, Abraham	15 W. 112th St.

Rowland, John H., 208 Commercial Ave., New Brunswick, N. J.	170 Lexington Ave.
Rubinstein, Percy, 467 Boulevard, Athens, Ga.	33 E. 22d St.
Russomanno, Raphael	28 Factory St., Newark, N. J.
Salzman, Nathan	77 Lave St., Paterson, N. J.
Santoro, William M., 211 Broad St., Perth Amboy, N. J.	70 Sand St., Stapleton, N. Y.
Saphir, Sidney	118 1st St.
Sash, Reuben	287 Division Ave., Brooklyn
Scheib, Louis	26 Lewis St.
Schepps, Jesse	141 Stockton St., Brooklyn
Schonhard, Fred W.	2976 Perry Ave.
Schwartz, Nathan	906 Intervale Ave.
Shapiro, Shepard	30 E. 22d St., Bayonne, N. J.
Sherman, George C.	R.F.D. No. 23, Danbury, Ct.
Sherwin, Benjamin	960 Freeman St.
Shiffman, Harry	253 E. 148th St.
Sileo, Francis A.	143 Mott St.
Simon, Harry	536 Angelique St., W. Hoboken, N. J.
Singer, Max	530 S. 11th St., Newark, N. J.
Skvarla, John A.	17 Koster St., Wallington, N. J.
Smith, Louis S.	538 New Jersey Ave., Brooklyn
Solk, Arthur G.	33 Fourth Ave., Long Branch, N. J.
Somers, Charles J.	894 Montgomery St., Jersey City, N. J.
Spitz, Harry	3 W. 117th St.
Steiner, Edward C.	392 Cornelia St., Brooklyn
Stover, Charles B., 35 Bruce St., Windsor, Ct.	258 Riverside Dr.
Tabor, Gilbert S., Dover Plains, N. Y.	230 E. 27th St., care of Pryor
Taferner, Joseph A.	2070 Belmont Ave.
Tandet, Nathan	32 Ludlow St.
Tannert, Carl H.	331 33d St., Woodcliffe, N. J.
Telson, David	1317 53d St., Brooklyn
Tennen, Joseph S.	16 Fayette St., Brooklyn
Tower, Paul	212 E. 20th St.
Wagner, George A., Rockaway Park, N. Y.	129 Lexington Ave.
Waite, Arthur W., Grand Rapids, Mich.	435 Riverside Dr.
Wanderer, Henry	279 E. 3d St.
Wechsler, Mendes J.	964 Fox St.
Weinstein, Isadore	64 McKibben St., Brooklyn
Weiss, Morris M.	69 Moore St., Brooklyn
TOTAL	163

## Specials

\*Entered February, 1916.

- \*Abel, Louis H., D.D.S., 76 Fisher Ave., White Plains, N. Y. . . . . 8 W. 40th St.  
 \*Abraham, Samuel . . . . . 20 E. 97th St.  
 \*Adolph, Seymour . . . . . 1017 Simpson St.  
 \*Albert, Joseph G. . . . . 125 E. 34th St.  
 \*Amolsky, Herman . . . . . 1015 Southern Boulevard  
 \*Anderson, John E., 80 John St., Newport, R. I. 115 St. Mark's Pl., Brooklyn  
 \*Andres, Samuel . . . . . 47 Marcy Ave., Brooklyn  
 \*Appel, Maurice S. . . . . 1488 Vyse Ave.  
 \*Applebaum, Israel . . . . . 68 McKibben St., Brooklyn  
 \*Arias-Cohen, Jacob . . . . . 580 W. 172d St.  
 \*Aronson, Jacob . . . . . 44 E. 3d St.  
 \*Ash, Charles F., D.D.S., 212 Columbia Heights, Brooklyn . . . . . 115 Broadway  
 Ausubel, Moses . . . . . 113 2d St.  
 \*Avstreich, Sol M. . . . . 856 E. 172d St.  
 \*Barishman, Harry . . . . . 1943 Douglas St., Brooklyn  
 \*Barrel, Harry . . . . . 101 India St., Brooklyn  
 \*Barrett, John J., Jr. . . . . 405 E. 139th St.  
 \*Bass, Samuel . . . . . 488 Hendrix St., Brooklyn  
 \*Bauer, Solomon . . . . . 331 E. 82d St.  
 Bedworth, William . . . . . 28 Charles St., Ilion, N. Y.  
 Beissel, William J., Jr. . . . . 766 Bushwick Ave., Brooklyn  
 \*Beldegreen, Sigmund . . . . . 635 E. 6th St.  
 \*Bellinson, David . . . . . 5 E. 106th St.  
 \*Bellinson, Solomon I. . . . . 5 E. 106th St.  
 \*Berger, Samuel . . . . . 1 E. 101st St.  
 Berkowitz, Bernard . . . . . 830 Whittier St.  
 \*Bernstein, Abraham . . . . . 459 Claremont Parkway  
 \*Bernstein, Benjamin B. . . . . 1868 Prospect Pl., Brooklyn  
 \*Beyer, Saul . . . . . 108 E. 2d St.  
 Birenbach, Samuel . . . . . 262 Rivington St.  
 Blatt, William S. . . . . 56 Middleton St., Brooklyn  
 \*Bloom, Isidore . . . . . 2034 Seventh Ave.  
 Bomelstein, Harry . . . . . 753 Manhattan Ave., Brooklyn  
 Bondy, Julian M. . . . . 601 W. 174th St.  
 \*Bookbinder, Joseph, *Russia* . . . . . 77 Avenue C  
 Boorlak, James . . . . . 936 Intervale Ave.  
 Borowitz, Herman D. . . . . 118 Amboy St., Brooklyn  
 Boynkansky, Joseph . . . . . 112 E. 2d St.  
 Brand, Jacob H. . . . . 59 E. 104th St.

- \*Branower, Edmund I. . . . . 2789 Webster Ave.  
 \*Braunstein, Charles S. . . . . 2132 Dean St., Brooklyn  
 Braunstein, Henry . . . . . 252 S. 9th St., Brooklyn  
 \*Brave, Louis . . . . . 313 E. 21st St.  
 \*Bronstein, Milton M. . . . . 59 W. 115th St.  
 Brown, William C. . . . . 290 Highland Ave., Kearny, N. J.  
 Bruns, J. Bernard . . . . . 360 Jackson Ave., Jersey City, N. J.  
 \*Bryant, Lawrence L. . . . . 340 Bay Ridge Ave., Brooklyn  
 \*Burckard, Malcolm . . . . . 216 Cambridge Ave., Jersey City, N. J.  
 Bushel, Harry . . . . . 45 Waverly Ave., Newark, N. J.  
 \*Cahn, Lester R. . . . . 133 W. 113th St.  
 \*Cantor, Irving H. . . . . 373 Grand St.  
 \*Carson, Leslie . . . . . 476 E. 18th St., Paterson, N. J.  
 \*Chase, Oscar J., Jr., D.D.S. . . . . 465 West End Ave.  
 Checchi, John . . . . . 33 Vandewater St.  
 \*Church, Aaron . . . . . 226 Henry St.  
 \*Clark, Charles M. . . . . 221 Westminster Rd., Brooklyn  
 \*Cohan, Isidor A. . . . . 332 E. 15th St.  
 \*Cohen, Abraham . . . . . 522 W. 151st St.  
 \*Cohen, Abraham G. . . . . 179 E. 105th St.  
 Cohen, David . . . . . 244 Hewes St., Brooklyn  
 \*Cohen, Harry . . . . . 848 Flushing Ave., Brooklyn  
 \*Cohen, Joseph J. . . . . 115 Herzl St., Brooklyn  
 \*Cohen, Max . . . . . 64 E. 3d St.  
 \*Cohen, William O. . . . . 56 E. 118th St.  
 \*Cohn, Charles . . . . . 179 Rivington St.  
 \*Collins, Martin L., D.D.S., *Brookfield, Ct.* . . . . . 2001 Fifth Ave.  
 \*Colliton, William F. . . . . 91 Broad St., Stapleton, N. Y.  
 Coolbaugh, Edwin P. . . . . 463 E. 31st St., Paterson, N. J.  
 \*Cooper, Nadirshaw H., *India* . . . . . 517 W. 143d St.  
 \*Corbin, Louis A. . . . . 648 Saw Mill Rd., Yonkers, N. Y.  
 \*Crasson, Samuel L. . . . . 492 Kosciusko St., Brooklyn  
 \*Cretin, Nestor A. . . . . 391 4th St., Brooklyn  
 \*Dale, Philip M. . . . . 31 Clarkson St., Brooklyn  
 \*Dailey, Wilbur M., D.D.S. . . . . 19 E. 69th St.  
 \*D'Ebal, Doria A. . . . . 574 Bushwick Ave., Brooklyn  
 \*Debover, Harry . . . . . 92 Rivington St.  
 \*Denkmedji, Demetrius C. . . . . 43 W. 36th St.  
 \*De Sevo, Frank X. . . . . 302 Henderson St., Jersey City, N. J.  
 \*Deutsch, Benjamin . . . . . 303 E. 84th St.  
 \*Diaz, Louis H. . . . . 7 Judge St., Elmhurst, N. Y.  
 \*Dishian, Manoog . . . . . 31 Montclair Ave., Paterson, N. J.

- Ditchek, Abraham M. . . . . 132 Columbia St.  
 \*Donally, Kingman N. . . . . 811 Kenmore Pl., Brooklyn  
 \*Dow, Stanley M. . . . . 7601 Amboy Ave., Tottenville, N. Y.  
 \*Doyle, Frank J. . . . . 1678 69th St., Brooklyn  
 \*Dunaif, Benjamin . . . . . 340 Pennsylvania Ave., Brooklyn  
 \*Economides, George A., *Greece* . . . . . 207 E. 29th St.  
 \*Edelman, Jacob . . . . . 338 Powell St., Brooklyn  
 \*Edelsohn David . . . . . 373 Communipaw Ave., Jersey City, N. J.  
 Eder, Max D. . . . . 259 E. 3d St.  
 \*Ehrmann, Morton H. . . . . 159 Halsey St., Brooklyn  
 \*Entwistle, Frank . . . . . 340 Clifton Pl., Brooklyn  
 \*Epstein, Harry . . . . . 1330 45th St., Brooklyn  
 \*Esrig, Nathan . . . . . 480 E. 171st St.  
 \*Fabricant, Charles . . . . . 1338 42d St., Brooklyn  
 Falk, Alexander . . . . . 135 Pitt St.  
 \*Fanwick, Jacob . . . . . 235 Dumont Ave., Brooklyn  
 \*Feinberg, Morris . . . . . 97 Monroe St.  
 \*Feldman, Harry J. . . . . 1961 Mapes Ave.  
 \*Feldman, Sidney . . . . . 366 12th St., Brooklyn  
 \*Fellman, Benjamin . . . . . 381 E. 143d St.  
 Fingerman, Henry H. . . . . 1853 First Ave.  
 Finkel, Harry . . . . . 117 Gates Ave., Jersey City, N. J.  
 \*Finkelstein, Louis A. . . . . 1145 45th St., Brooklyn  
 \*Finney, Roy B. . . . . 24 Poinier St., Newark, N. J.  
 Fiorentino, Victor . . . . . 343 E. 11th St.  
 \*Firestone, Herman H. . . . . 610 E. 5th St.  
 \*Fisch, Louis . . . . . 112 Eldridge St.  
 \*Fox, Edward, D.D.S. . . . . 252 W. 79th St.  
 \*Frank, Samuel M. . . . . 70 E. 96th St.  
 Freyer, Carl . . . . . 1164 First Ave.  
 \*Fried, Louis . . . . . 123 Clymer St., Brooklyn  
 Friedman, Abraham . . . . . 67 Eldridge St.  
 Friedman, Herman J. . . . . 62 Rivington St.  
 \*Friedman, Maurice . . . . . 851 Sutter Ave., Brooklyn  
 \*Gallagher, Thomas J., *90 Town Hill Ave., Danbury, Ct.* . . . . . 329 E. 30th St.  
 \*Gallin, James . . . . . 112 Van Buren St., Brooklyn  
 Gammons, Jesse L., M.D. . . . . 162 E. 36th St.  
 \*Gardner, Solomon C. . . . . 1386 Prospect Ave.  
 \*Garfield, Louis . . . . . 1018 E. 163d St.  
 \*Geller, Max A. . . . . 145 E. 82d St.  
 \*Gillett, Henry W., D.M.D. . . . . 140 W. 57th St.  
 \*Glaseroff, Samuel . . . . . 35 Clarkson St., Brooklyn

- \*Globus, Aaron J. . . . . 482 Amsterdam Ave.  
 Goerke, Francis C. . . . . 447 McDonough St., Brooklyn  
 \*Goldberg, Harry A., D.D.S. . . . . 222 E. 72d St.  
 \*Goldberg, Samuel . . . . . 1526 57th St., Brooklyn  
 \*Goldenberg, Morris . . . . . 242 E. Houston St.  
 \*Goldfarb, Moses . . . . . 253 E. 10th St.  
 Goldschein, Abraham R. . . . . 647 E. 5th St.  
 Goldschlag, Louis M. . . . . 168 Ludlow St.  
 Goldstein, Benjamin L. . . . . 131 Reid Ave., Brooklyn  
 \*Goldstein, Harry . . . . . 14 Clinton St.  
 Goldstein, Louis A. . . . . 260 Monroe St.  
 \*Goode, Edward A. . . . . 353 W. 57th St.  
 Gottfried, David . . . . . 330 E. 9th St.  
 \*Graham, Harold J. . . . . 92 Main St., Paterson, N. J.  
 Granelli, Victor A. . . . . 102 Bloomfield St., Hoboken, N. J.  
 \*Green, Harry A. . . . . 406 Palisade Ave., Jersey City, N. J.  
 \*Green, Joseph C. . . . . 440 E. 9th St., Brooklyn  
 Green, Louis . . . . . 1112 Forest Ave.  
 \*Greenberg, Geza, M.D. . . . . 63 Second Ave.  
 \*Greenberg, Jacob . . . . . 203 S. 3d St., Brooklyn  
 \*Greenstein, Samuel . . . . . 364 E. 4th St.  
 Grodberg, Harold . . . . . 78 W. 31st St., Bayonne, N. J.  
 Gross, Morris . . . . . 324 E. 4th St.  
 Grubman, Joseph H. . . . . 1240 Clay Ave.  
 Grünberg, Martin M. . . . . 2059 Fulton St., Brooklyn  
 \*Haberman, Lawrence M., *119 Charles Ave., Solway, N. Y.* . . . . . 326 W. 55th St.  
 \*Hamilton, Albert H. . . . . 162 E. Genesee St., Auburn, N. Y.  
 Hammel, Jerome . . . . . 406 W. 43d St.  
 \*Hardy, Charles S., D.D.S. . . . . Summit, N. J.  
 \*Harris, William H. . . . . 265 E. 52d St., Brooklyn  
 \*Haughney, Francis A., *Noroton, Ct.* . . . . . 449 Dean St., Brooklyn  
 \*Heard, Walter S. . . . . 960 Anderson Ave.  
 \*Heimlich, George . . . . . 321 E. 29th St.  
 \*Herman, Joseph . . . . . 992 Sutter Ave., Brooklyn  
 Herrchbein, Morris . . . . . 98 Montrose Ave., Brooklyn  
 Hines, James F. . . . . Keyport, N. J.  
 \*Holahan, Howard V. . . . . 389 Sterling Pl., Brooklyn  
 Hollander, Jacob . . . . . 148 E. Broadway  
 \*Holtzman, Victor . . . . . 167 Second St., Elizabeth, N. J.  
 \*Hopkins, William F. . . . . 2420 Morris Ave.  
 \*Horowitz, Jack . . . . . 507 Grand St., Brooklyn  
 Horowitz, William . . . . . 700 E. 158th St.

- \*Houg, Berger J. . . . . 2904 Clarendon Rd., Brooklyn  
 \*Hysler, Charles L. . . . . 208 Central Ave., West Hoboken, N. J.  
 \*Jaason, Sidney . . . . . 729 Macon St., Brooklyn  
 \*Irving, William W., D.D.S. . . . . 240 Riverside Dr.  
 \*Jacob, Benjamin L. . . . . 151 Diamond St., Brooklyn  
 \*Jacobs, David B. . . . . 28 South Vernam Ave., Arverne, N. Y.  
 \*Jacobs, Louis . . . . . 109 Columbia St.  
 \*Jacobson, Benjamin A. . . . . 221 Lewis Ave., Brooklyn  
 \*Jaffe, Samuel . . . . . 73 Monmouth St., Newark, N. J.  
 \*James, Willis L. . . . . 217 E. 22d St.  
 \*Joachim, Henry . . . . . 180 Manhattan Ave., Brooklyn  
 \*Joblove, George . . . . . 122 East 111th St.  
 \*Jurec, Edward A. . . . . 236 57th St., Brooklyn  
 \*Kaletsky, Theodore . . . . . 297 Fulton St., Jamaica, N. Y.  
 \*Kaminester, Isidore C. . . . . 63 Second Ave.  
 \*Kaminsky, Max . . . . . 253 Penn St., Brooklyn  
 \*Karmiol, William . . . . . 536 E. 147th St.  
 \*Katz, Louis H. . . . . 624 E. 5th St.  
 \*Kaufman, Abraham . . . . . 40 Thatford Ave., Brooklyn  
 \*Kaufman, Moses A. . . . . 74 Norfolk St.  
 \*Kawesch, Max E. . . . . 556 St. Paul's Pl., Brooklyn  
 \*Kessler, Irving . . . . . 645 Willoughby Ave., Brooklyn  
 \*Kestenbaum, Leo . . . . . 988 Union Ave.  
 \*Kiernan, Thomas J. . . . . 140 Lincoln Ave.  
 \*Kirby, George A. . . . . Emerson Hill, Stapleton, S. I.  
 \*Kirschenbaum, Samuel . . . . . 1923 86th St., Brooklyn  
 \*Klein, Alexander . . . . . 703 E. 9th St.  
 \*Klein, Morris, 215 Third Ave., Schenectady, N. Y.  
 \*Klein, Samuel A. . . . . 547 S. Park St., Elizabeth, N. J.  
 \*Kleinman, Nathaniel W. . . . . 136 Columbia St.  
 \*Kloomok, Isaac . . . . . 333 Sutter Ave., Brooklyn  
 \*Kloempel, Robert A. . . . . 230 E. 14th St.  
 \*Koempel, Robert A. . . . . 251 E. 86th St.  
 \*Kornfeld, Benjamin . . . . . 81 Avenue C  
 \*Krantz, Morris . . . . . 1038 Boston Rd.  
 \*Krieger, Harry A. . . . . 432 Blake Ave., Brooklyn  
 \*Kronenberg, Joseph B. . . . . 255 E. 7th St.  
 \*Kurland, Laurence . . . . . 325 Third Ave.  
 \*Kurlantizick, Bernard . . . . . 565 Main St., Paterson, N. J.  
 \*Langner, I. Edward . . . . . 427 Jerome St.  
 \*Ledeky, Victor . . . . . 183 Lenox Ave.  
 \*Leder, George . . . . . 585 Quincy St., Brooklyn

- Lefkowitz, Sidney A. . . . . 320 E. 3d St.  
 \*Levenson, Edward . . . . . 2848 Decatur Ave.  
 Levine, Abe . . . . . 509 Blake Ave.  
 \*Levitien, William . . . . . 11 Rivington St.  
 \*Levy, Saul . . . . . 54 N. Prince St., Flushing, N. Y.  
 Lewis, Jonas . . . . . 196 S. 10th St., Newark, N. J.  
 \*Lief, Joseph . . . . . 1568 Madison Ave.  
 Lifschitz, Frank . . . . . 533 Hopkinson Ave., Brooklyn  
 Linder, Israel . . . . . 34 W. 21st St., Bayonne, N. J.  
 Linet, Leo . . . . . 25 Brooklyn Ave., Brooklyn  
 Lipman, Barney . . . . . 148 Clinton Ave., Brooklyn  
 Lipschutz, Isadore . . . . . 60 Clifton Pl., Jersey City, N. J.  
 Livingston, Lauriston R. . . . . 35 S. Arlington Ave., East Orange, N. J.  
 Livovitz, Louis . . . . . 1174 Jackson Ave.  
 Loeffler, Frederick H. . . . . 80 Columbia Ter., Weehawken, N. J.  
 Lorber, Albert . . . . . 2 Avenue D  
 \*Lourie, Leo G. . . . . 838 Beck St.  
 Lovein, Arthur . . . . . 41 Lockwood Ave., New Rochelle, N. Y.  
 Lowrie, Robert C. . . . . 36 Midland Ave., White Plains, N. Y.  
 Lubalin, Samuel L. . . . . 136 E. 94th St.  
 \*Lubitz, William M. . . . . 1061 Berger St., Brooklyn  
 \*McCarthy, John D., B.S., A.M. . . . . 2296 Loring Pl.  
 McGinnis, William J. . . . . 80 W. 94th St.  
 \*Mandel, Morris . . . . . 72 Powell St., Brooklyn  
 Manes, Charles S. . . . . 174 Floyd St., Brooklyn  
 Mann, Louis . . . . . 976 Tinton Ave.  
 \*Marcus, Arthur . . . . . 727 E. 158th St.  
 Marcus, William John . . . . . 83 De Kalb Ave., Brooklyn  
 \*Margolis, Harry J. . . . . 169 Rivington St.  
 \*Markoff, Samuel R. . . . . 87 Monroe St.  
 Marmor, Joseph L. . . . . 432 W. 124th St.  
 Martocci-Pisculli, Leone, M.D. . . . . 134 Linden St., Yonkers, N. Y.  
 \*Mautner, Victor, 659 Prospect Ave. . . . . 70 W. 118th St.  
 Meinecke, Ernest A. . . . . 27 Zabriskie St., Jersey City, N. J.  
 Mesnicoff, Isidore . . . . . 452 Miller Ave., Brooklyn  
 Messinger, Samuel, 1222 Germantown Ave., Philadelphia, Pa.  
 . . . . . 976 Simpson St.  
 Metliz, Harry . . . . . 1491 Vyse Ave.  
 Metz, Karl H. . . . . Valhalla, N. Y.  
 \*Miller, Morris A. . . . . 311 Cottage Pl., Weehawken, N. J.  
 Miller, Perry . . . . . 438 Christopher Ave., Brooklyn  
 \*Miller, Samuel . . . . . 220 Ross St., Brooklyn

Miller, William R.	145 Robinson Ave., Newburgh, N. Y.
Milman, Charles	1234 Boston Rd.
*Mindlin, William	3 E. 106th St.
Mitchell, Martin M.	1239 Theriot Ave.
Moffett, William J.	501 W. 167th St.
Moress, Leonard	72 Greenridge Ave., White Plains, N. Y.
Munblatt, Max A.	26 Sand St., Port Richmond, S. I.
*Nathanson, Nathaniel	182 Nassau Ave., Brooklyn
Nayfack, Julius	1719 Union St., Brooklyn
*Nechamkin, Moses	99 E. Broadway
Needle, Irving	102 Orchard St.
Nemecek, Frank V.	342 E. 72d St.
*Nies, Frederick H., D.D.S.	859 Bay Ridge Ave., Brooklyn
Novikoff, Jacob	132 E. 17th St.
Ohlbaum, Max	5 E. 101st St.
Oling, Max	602 E. 140th St.
Overton, George W., <i>Patchogue, N. Y.</i>	440 E. 6th St.
Paigen, Alexander	234 E. 4th St.
*Parke, William H., <i>Chatham, N. Y.</i>	518 W. 135th St.
Parks, Robin E., <i>Toledo, Ohio</i>	359 Lexington Ave.
Pemsler, Samuel	1327 Intervale Ave.
Perlstein, Isaac	1543 Minford Pl.
Phillips, J. Daniel	62 W. 115th St.
Pleshette, Ben E.	1753 Pitkin Ave., Brooklyn
Pocker, Philip	778 Trinity Ave.
Pokress, Julius Y.	1222 Boston Rd.
Pollikoff, Abraham	204 W. 143d St.
Press, Isidor	74 Willett St.
Pressman, Benjamin J.	111 Seventh St.
*Radack, Charles	217 Ross St., Brooklyn
Ramirez, Abaldino, <i>San Juan, P. R.</i>	257 W. 111th St.
*Rand, Philip	7 E. 108th St.
*Reisfeld, Abraham	830 Fox St.
Reff, Edward I.	669 Eighth Ave.
Reicher, Max	126 E. 12th St.
Relkin, Nathan	850 E. 161st St.
*Remes, Leo	13 Attorney St.
Resler, Alter S.	432 E. 86th St.
Restin, Bruno O.	8 State St.
*Richman, Reuben	23 E. 88th St.
Rivkin, George	229 Christopher Ave., Brooklyn
Roberts, Benjamin, <i>Russia</i>	132 2d St.

*Robinson, Harry S., <i>Gallipolis, Ohio</i>	129 Sherman Ave.
*Rodin, Oscar	328 Wyona St., Brooklyn
Rodnick, Herman	919 Fox St.
*Rohr, Frank	309 E. 10th St.
Roman, Julius L.	523 E. 13th St.
Rosenberg, Lewis	43 Orchard St., Elizabeth, N. J.
Rosenbliett, Philip	995 Freeman St.
Rosenblum, Morris Leon	26 W. 113th St.
*Rosenblüth, Jacob	354 E. 8th St.
*Rosenhaus, Samuel H.	2169 Pacific St.
*Rosenthal, Edward E.	48 W. 117th St.
Rosenzweig, Frank	813 E. 163d St.
*Rost, Benjamin H.	813 Faile St.
*Rothhause, Maurice	9 S. Orange Ave., Newark, N. J.
Rothman, Julius	103 Keap St., Brooklyn
Rothschild, Harold J., M.D., <i>St. Paul, Minn.</i>	94 Broadway
Rotner, Herman, <i>Spring Valley, N. Y.</i>	1023 Kelly St.
*Rowitt, Isidore M.	871 Hunts Point Ave.
Rubin, David A.	60 Johnson St., Brooklyn
Ruffine, Louis	459 Watkins St., Brooklyn
*Sachs, Otto	540 W. 163d St.
Samuels, Julius	21 E. 34th St., Bayonne, N. J.
Saperstein, Harold	166 W. 96th St.
*Sapolsky, Lazarus, <i>Russia</i>	834 E. 161st St.
*Sarath, Edward N.	979 Aldus St.
*Saxe, Frank	954 Eastern Parkway, Brooklyn
Schaaf, Eli L.	303 Chadwick Ave., Newark, N. J.
Schacher, Harry P.	70 W. 109th St.
Schantz, Emanuel	99 Avon Ave., Newark, N. J.
Schantz, Harry	307 E. 10th St.
Schlesinger, Francis R.	317 E. 90th St.
*Schlossberg, Julius	574 Ralph Ave., Brooklyn
Schminke, Eberhardt A.	156 W. 94th St.
Schoenberg, Norbert	1019 Longwood Ave.
Schramm, Otto O.	246 E. 77th St.
*Schuman, Irving	291 Railroad Ave., Jersey City, N. J.
*Schurin, Morris	1963 Cropsey Ave., Brooklyn
*Schwaid, David W.	215 E. 103d St.
*Shwalb, Harry	607 Summit Ave., Jersey City, N. J.
Schwartz, David H.	10 W. 117th St.
*Schwartz, Harry	213 E. 66th St.
Schwartz, Jacob W.	1429 Fifth Ave.

*Schwartz, Joseph P.	32 Monroe St., Passaic, N. J.
Schwartz, Philip L., 183 Albany St., New Brunswick, N. J.	827 Union Ave.
Schwartz, William	585 Cleveland St., Brooklyn
Scudder, George K.	17 Liberty St., Bloomfield, N. J.
Seidel, Philip	81 Willett St.
Semisa, Anthony D., M.D.	316 E. 11th St.
Sexsmith, George H., M.D.	Bayonne, N. J.
Shaftan, Ralph	106 W. 83d St.
Shapiro, Saul	4 W. 129th St.
Sheffer, Joseph	2 Cannon St.
Shields, Nelson T., Jr.	61 W. 56th St.
Shields, Sturges B.	61 W. 56th St.
*Shoben, Israel	2024 83d St., Brooklyn
*Shoobs, Harry	553a Monroe St., Brooklyn
*Silverstein, Aaron J.	121 E. 10th St.
*Silverstein, Maxwell	631 E. 11th St.
*Silverstein, Samuel L.	134 Chester St.
Singer, Jacob	1125 Putnam Ave., Brooklyn
*Skalmar, Morris, D.D.S.	124 E. 95th St.
Smith, David	407 New Jersey Ave., Brooklyn
Smith, David H.	716 Dubois St., West Hoboken, N. J.
Smith, H. Dean	65 Rose Ave., New Dorp, N. Y.
*Smolinsker, Harry M.	520 E. 5th St.
*Sobol, Leo	236 Central Ave., Brooklyn
Solomon, Samuel H.	1130 Union Ave.
Spaet, Louis	718 Fulton St., Brooklyn
*Spenadel, Isidor	317 E. 10th St.
*Spivak, Leo	146 Lenox Ave.
*Steigman, Harry	322 Rodney St., Brooklyn
Stein, Frederick, Poughkeepsie, N. Y.	534 W. 152d St.
Sternberg, Louis	184 Rivington St.
Stoll, Victor	73 E. 111th St.
*Stolper, Isaac	256a Penn St., Brooklyn
Sturtz, Jacob	132 7th St.
*Sussman, Abram L.	62 3d St., Elizabeth, N. J.
*Teitelbaum, Irving W.	321 E. Houston St.
*Thompson, Harry R., Luzerne, N. Y.	142 E. 30th St.
*Tillman, Edward C.	3495 Broadway
Torn, Daniel B.	288 Monroe St.
*Tracy, Martin C., D.D.S.	180 W. 39th St.
*Trattner, Maurice	152 Goerck St.
*Unger, Harry	150 E. 7th St.

*Urban, Otto	334 Third Ave.
*Uvillevmler, Jules A., D.D.S.	58 E. 88th St.
*Velshevitz, Philip	282 Broome St.
Wagman, Samuel	594 Sutter Ave., Brooklyn
*Wallman, Samuel	139 Riverdale Ave., Brooklyn
Warner, John W., M.D.	123 E. 60th St.
Wayman, Leon H., Charlottesville, N. Y.	242 W. 109th St.
Weiner, Harry	352 E. 3d St.
*Weissbach, Sidney	1049 Simpson St.
Weissburg, Jacob A.	453 Jersey Ave., Jersey City, N. J.
Wells, Francis M.	238 E. 5th St., Brooklyn
*Wilson, Dwight R.	150 E. 40th St.
Wolfson, Abraham	47 Essex St.
*Zahn, Philip	279 E. 3d St.
*Ziegler, Armand C. R.	1021 Nelson Ave.
Ziegler, Richard	1949 Seventh Ave.
Zorn, Carl J.	15 Conger Ave., Haverstraw, N. Y.
Zucker, Morris	33 Sumner Ave.
Zuckerbraun, Baer	16 Orchard St.
TOTAL	398

## COURSES IN PUBLIC HEALTH

## For the Degree of Doctor of Public Health

Bendick, Arthur J., M.D.	217 W. 89th St.
Bolduan, Charles F., M.D.	251 W. 93d St.
Berry, Charles W., M.D.	872 47th St., Brooklyn
Blumenthal, J. Leon, M.D.	12 E. 119th St.
Browne, James A., M.D.	364 Van Houten St., Paterson, N. J.
Cole, Hills, M.D.	1748 Broadway
Gullfof, William H., M.D.	323 W. 70th St.
Hagan, James J.	6 Concord St., Jersey City, N. J.
Harris, Louis L., M.D.	1855 Seventh Ave.
Hubbard, Leroy, M.D.	25 W. 45th St.
Liber, Benzion, M.D.	272 E. 10th St.
MacDonald, John J., M.D.	276 Asylum St., Bridgeport, Ct.
Poor, Daniel W., M.D.	250 W. 78th St.
Povitzky, Olga R., M.D.	307 E. 17th St.
Rosenberg, Caroline, M.D.	Osborn Hall, 426 E. 26th St.
Schroeder, M. C., M.D.	Dept. of Health, Municipal Bldg.
Shipley, Alfred E., M.D.	111 Halsey St., Brooklyn

*Sprague, John T.	New Brighton, N. Y.
Zingher, Abraham, M.D.	3915 Broadway
TOTAL	25

## Public Health Correspondence Course

Aitchison, James W., M.D.	Madrid, N. Y.
Allen, Bion Pemberton, M.D.	Oriskany, N. Y.
Amerman, Henry V.	Town Hall, Kearny, N. J.
Anderson, John B., M.D.	E. 1025 Baldwin Ave., Spokane, Wash.
Arthur, Charles W., M.D.	Plattsburgh, N. Y.
Atwell, Floyd Jerome, M.D.	Cooperstown, N. Y.
Austin, Oliver L., M.D.	Tuckahoe, N. Y.
Avery, Leslie J. L., M.D.	Ausable Forks, N. Y.
Axtell, Clayton M., M.D.	Deposit, N. Y.
Babcock, Earl E., M.D.	Adams Center, N. Y.
Baker, William A., M.D.	Islip, N. Y.
Barber, Oscar T., M.D.	Silver Creek, N. Y.
Barnes, Charles S., M.D.	Ovid, N. Y.
Barton, Lyman G., Jr., M.D.	Willsboro, N. Y.
Battin, John A., M.D.	Westport, N. Y.
Bauer, Eugene E., M.D.	Owego, N. Y.
Becker, LeRoy, M.D.	Cobleskill, N. Y.
Benjamin, Floyd A., M.D.	Cherry Creek, N. Y.
Benjamin, Frank E., M.D.	Shelter Island, N. Y.
Bennett, Andrew J., M.D.	Jamestown, N. Y.
Burton, John W., M.D.	Ogdensburg, N. Y.
Biggar, Henry R., M.D.	Black River, N. Y.
Bogart, Joseph H., M.D.	Bozysa, N. Y.
Bourne, Philip H., M.D.	Salamanca, N. Y.
Bowman, John M., M.D.	Wallkill, N. Y.
Brooks, Edith L. (Miss)	426 Westminster Ave., Elizabeth, N. J.
Britt, W. Warren, M.D.	Tonawanda, N. Y.
Bullard, Thomas E., M.D.	Schuylerville, N. Y.
Burdick, George E., M.D.	Alfred, N. Y.
Calder, Frank G., M.D.	28 E. Main St., Johnstown, N. Y.
Canning, Thomas H., M.D.	Port Henry, N. Y.
Carman, James S., M.D.	Lodi, N. Y.
Carmichael, James	Poland, N. Y.
Carpenter, Guy S., M.D.	442 Waverly St., Waverly, N. Y.
Caubers, James A., M.D.	Monticello, N. Y.
Clark, Coryell, M.D.	Cold Spring, N. Y.

Clark, George B., M.D.	Armonk, N. Y.
Cleghorn, Guy F., M.D.	Mineola, N. Y.
Cline, Austin W., M.D.	Kirkwood, N. Y.
Clarman, Albert W., M.D.	1613 Washington Ave.
Coie, Thomas F., M.D.	Romulus, N. Y.
Coller, Jasper W., M.D.	17 W. Fassett St., Wellsville, N. Y.
Collins, William D.	163 Seventh St., Boston, Mass.
Collinson, Thomas J., M.D.	Port Leyden, N. Y.
Colton, Max J.	Cumberland, Md.
Cooke, Willis S., M.D.	Otego, N. Y.
Cordner, Robert, M.D.	28 South St., Middletown, N. Y.
Cronk, James M., M.D.	Hyde Park, N. Y.
Cuddeback, Edgar C., M.D.	Port Jervis, N. Y.
Cullen, William H., M.D.	Roxbury, N. Y.
Curry, Grove P. M., M.D.	Mt. Kisco, N. Y.
Curtis, Charles T., M.D.	Livingston, N. Y.
Cuthbert, William C., M.D.	37 Maple St., Hudson Falls, N. Y.
Danforth, Edward, M.D.	Bainbridge, N. Y.
Davis, Arthur George, M.D.	Ripley, N. Y.
Davis, J. William, M.D.	Livingston Manor, N. Y.
Davis, Thomas F., M.D.	Floral Park, N. Y.
Deuel, W. E., Jr., M.D.	Adams, N. Y.
Dowd, Thomas J., M.D.	31 S. Main St., Ticonderoga, N. Y.
Doyle, Stanley B., M.D.	Quarantine, Rosebank, N. Y.
Estou, E. E., M.D.	Crown Point, N. Y.
Edsall, Irving S., M.D.	Middleville, N. Y.
Edwards, David, M.D.	East Hampton, N. Y.
Eiseline, Daniel A., M.D.	Shortsville, N. Y.
Elliott, Edward Ross, M.D.	Montgomery, N. Y.
Ellis, George E., M.D.	11 W. 8th St., Dunkirk, N. Y.
Evans, John H., M.D.	Cortland, N. Y.
Evans, John H., M.D.	Elizabethtown, N. Y.
Fairbanks, Alexander W., M.D.	Chazy, N. Y.
Fairfield, William J., M.D.	Smyrna, N. Y.
Finch, Percy H., M.D.	Broadalbin, N. Y.
Finney, Frank F., M.D.	Burke, N. Y.
Fisher, A. Max, M.D.	Spencer, N. Y.
Fisher, Myron E., M.D.	Delaware, N. Y.
Footo, Gilbert A., M.D.	Dexter, N. Y.
Forward, Arthur J., M.D.	Madison, N. Y.
Foster, Roswell F., M.D.	Westfield, N. Y.
Garrison, Ira M., M.D.	East Greenbush, N. Y.

Germer, Henry G., M.D. . . . . Canastota, N. Y.  
 Gibson, Edwin F., M.D. . . . . Norwich, N. Y.  
 Giles, J. William, M.D. . . . . Nyack, N. Y.  
 Goehrig, Avellino I., M.D. . . . . 278 Bellevue Ave., Trenton, N. J.  
 Grant, J. Edward, M.D. . . . . Northville, N. Y.  
 Green, LeRoy, C., M.D. . . . . Panama, N. Y.  
 Gross, John C., M.D. . . . . Phoenicia, N. Y.  
 Gunn, Lee D., M.D. . . . . Hamburg, N. Y.  
 Hackett, Edwin H., M.D. . . . . Massena, N. Y.  
 Hackett, G. Clifford, M.D. . . . . Portville, N. Y.  
 Hackett, James M., M.D. . . . . Champlain, N. Y.  
 Halsey, Hugh, M.D. . . . . Southampton, N. Y.  
 Hanor, Welcome A., M.D. . . . . 118 E. Erie Ave., Corning, N. Y.  
 Heimer, Fred S., M.D. . . . . Mt. Upton, N. Y.  
 Holcombe, Frank M., M.D. . . . . Keeseville, N. Y.  
 Holla, William A., M.D. . . . . Tompkins Corners, N. Y.  
 Holmes, Edward A., M.D. . . . . Downsview, N. Y.  
 Howser, Frank P., M.D. . . . . Otisville, N. Y.  
 Huebch, Leo A., M.D. . . . . Hamburg, Pa.  
 Hand, E. Alexander, M.D. . . . . 35 Townsend St., Walton, N. Y.  
 Hasbrouck, John M., M.D. . . . . Garnerville, N. Y.  
 Haswell, George S., M.D. . . . . 1415 First Ave., Watervliet, N. Y.  
 Hoffman, Charles F., M.D. . . . . Bolivar, N. Y.  
 Irvine, Robert T., M.D. . . . . 12 Maple Pl., Ossining, N. Y.  
 Jaques, Arthur D., M.D. . . . . Lynbrook, N. Y.  
 Johnston, Frank A., M.D. . . . . Kingston, N. Y.  
 Jones, Gay A., M.D. . . . . Wolcott, N. Y.  
 Joslin, Fisher M., M.D. . . . . Voorheesville, N. Y.  
 Kline, Charles D., M.D. . . . . 59 N. Broadway, Nyack, N. Y.  
 Krom, James, M.D. . . . . 35 W. Bridge St., Saugerties, N. Y.  
 Kurtz, Henry T., M.D. . . . . Highland Falls, N. Y.  
 Ladue, William H., M.D. . . . . Morrisonville, N. Y.  
 Laidlaw, Frank W., M.D. . . . . Hurleyville, N. Y.  
 Laird, Eugene B., M.D. . . . . Haverstraw, N. Y.  
 LaRoque, Joseph H., M.D. . . . . 66 Oak St., Plattsburgh, N. Y.  
 Leach, Albert E., M.D. . . . . Mt. Morris, N. Y.  
 Leahy, Bernard J., M.D. . . . . Port Jervis, N. Y.  
 Leitner, George A., M.D. . . . . Piermont, N. Y.  
 Leonard, Walter A., M.D. . . . . Cambridge, N. Y.  
 Lilianthal, Benjamin A. . . . . Hoffman's Island, N. Y.  
 Lindsay, Gordon, M.D. . . . . Freeport, N. Y.  
 Lippman, Thomas C., M.D. . . . . Sag Harbor, L. I.

Loomis, Ralph H., M.D. . . . . Sidney, N. Y.  
 Low, William E., M.D. . . . . Richmondville, N. Y.  
 Lowe, James . . . . . 413 E. 84th St.  
 Lyon, George C., M.D. . . . . Camden, N. Y.  
 MacCarthy, Charles D., M.D. . . . . 502 Main St., Geneva, N. Y.  
 MacKenzie, David Hugh, M.D. . . . . Millbrook, N. Y.  
 McClure, John T., M.D. . . . . 24 S. 5th St., Harrison, N. J.  
 McDowell, Barton T., M.D. . . . . Bristol Centre, N. Y.  
 McGibbon, Walter J., M.D. . . . . Chateaugay, N. Y.  
 McIntosh, George, M.D. . . . . Cattaraugus, N. Y.  
 Marnes, Charles M., M.D. . . . . Rouse's Point, N. Y.  
 Marvin, Herman R., M.D. . . . . Lyon Mountain, N. Y.  
 Mason, Orville J., M.D. . . . . Macedon, N. Y.  
 Mason, Perley H., M.D. . . . . 734 South St., Peekskill, N. Y.  
 Mayer, Augustus, M.D. . . . . Callicoon, N. Y.  
 Mead, Alfred M., M.D. . . . . Victor, N. Y.  
 Merchant, John C., M.D. . . . . Pine Plains, N. Y.  
 Merriam, Henry Estes, M.D. . . . . 604 E. State St., Ithaca, N. Y.  
 Metzger, Frederick, G., M.D. . . . . Carthage, N. Y.  
 Miles, Clarence C., M.D. . . . . Greenport, N. Y.  
 Miller, George E., M.D. . . . . Keene Valley, N. Y.  
 Miltimore, Dean, M.D. . . . . Nyack, N. Y.  
 Monakey, Peter, M.D. . . . . Tupper Lake, N. Y.  
 Morgan, Albert L., M.D. . . . . Dexter, N. Y.  
 Moriarty, John W., M.D. . . . . Cherubusco, N. Y.  
 Noble, Fortis, M., M.D. . . . . Bloomingdale, N. Y.  
 Nugent, John, M.D. . . . . Southampton, N. Y.  
 Odell, Herbert L., M.D. . . . . Sharon Springs, N. Y.  
 O'Donnell, Charles W., M.D. . . . . Andover, N. Y.  
 Oliver, Ellwood, M.D. . . . . Ancram, N. Y.  
 Owen, John J., M.D. . . . . Newcomb, N. Y.  
 Orser, Thomas H., M.D. . . . . Coldbrook, N. Y.  
 Page, R. A., M.D. . . . . Geneseo, N. Y.  
 Palmer, Floyd, M.D. . . . . 51 Bay St., Glens Falls, N. Y.  
 Pawling, Harry A., M.D. . . . . Lowville, N. Y.  
 Peterson, Frank D., M.D. . . . . Cutchogue, N. Y.  
 Phipps, Howard M., M.D. . . . . Hempstead, N. Y.  
 Plain, John C., M.D. . . . . Ransomville, N. Y.  
 Proctor, Merritt E., M.D. . . . . Lake Placid, N. Y.  
 Randall, Edward G., M.D. . . . . Waterville, N. Y.  
 Rapp, John W., M.D. . . . . Ellenville, N. Y.  
 Rhame, William, M.D. . . . . Wautagh, N. Y.

Rice, Albert C., M.D.	Babylon, N. Y.
Rice, Fred C., M.D.	Ripley, N. Y.
Rivenburgh, Willard T., M.D.	Middleburgh, N. Y.
Runcie, William H.	Freeport, N. Y.
Rushmore, Edward C., M.D.	Tuxedo Park, N. Y.
Russell, Joseph G., M.D.	Salem, N. Y.
Ryan, James E., M.D.	Redwood, N. Y.
Ryan, Matthew M., M.D.	Philadelphia, N. Y.
Santry, Augustus B., M.D.	Little Falls, N. Y.
Sayer, Stanley W., M.D.	Gouverneur, N. Y.
Schonger, Adolph H., M.D.	North Branch, N. Y.
Schwartz, Will H., M.D.	Colton, N. Y.
Selleck, Virgil D., M.D.	44 Bay St., Glens Falls, N. Y.
Sengstecken, John, M.D.	Stony Point, N. Y.
Severance, Karl J., M.D.	Keeseville, N. Y.
Shafer, Millard F., M.D.	Cobleskill, N. Y.
Sheffield, Harry J., M.D.	Frankfurt, N. Y.
Sherman, Frank J., M.D.	Ballston Spa, N. Y.
Shields, Ricard A., M.D.	Hoffman Island, N. Y.
Silcocks, William E., M.D.	Green Island, N. Y.
Sitler, William R., M.D.	Suffern, N. Y.
Skinner, Charles R., M.D.	Copake, N. Y.
Smith, Ellsworth J., M.D.	Larchmont, N. Y.
Smith, Frank I., M.D.	Shohola, Pa.
Smith, Harry M., M.D.	20 Gorham St., Canandaigua, N. Y.
Smith, John D., M.D.	Jay, N. Y.
Snover, Clayton H., M.D.	Randolph, N. Y.
Squire, F. Duane, M.D.	Setauket, N. Y.
Stafford, John M., M.D.	Essex, N. Y.
Stelle, Leonard K., M.D.	73 Albany Ave., Kingston, N. Y.
Stetson, John S., M.D.	Chazy, N. Y.
Sullivan, Matthew J., M.D.	Haverstraw, N. Y.
Sumner, Charles Oliver, M.D.	Norwood, N. Y.
Sweeting, Sherman C., M.D.	Pavilion, N. Y.
Tarbell, Roscoe C., M.D.	Groton, N. Y.
Taylor, Daniel M., M.D.	Edwards, N. Y.
Taylor, William U., M.D.	Mooers, N. Y.
Terrell, Alan G., M.D.	Riverhead, N. Y.
Thompson, George R., M.D.	Luzerne, N. Y.
Thornhill, Page E., M.D.	Watertown, N. Y.
Thorpe, Jarvis L., M.D.	Clyde, N. Y.
Thompson, Hubert R., M.D.	Rensselaer Falls, N. Y.

Thompson, Ralph W., M.D.	Cornwall-on-Hudson, N. Y.
Todd, William H., M.D.	418 N. Broadway, Dobbs Ferry, N. Y.
Trembley, Charles C., M.D.	Saranac Lake, N. Y.
Turner, Melvin H., M.D.	Ticonderoga, N. Y.
Van Dyke, Daisy, M.D.	Malone, N. Y.
von Zierolshofen, Paul H., M.D.	Croghan, N. Y.
Wankel, George C., M.D.	Deerfield, N. Y.
Wardner, William A., M.D.	St. Regis Falls, N. Y.
Warner, Charles B., M.D.	Port Henry, N. Y.
Washburn, J. B., M.D.	Delmar, N. Y.
Whiting, Glenn L., M.D.	Canisteo, N. Y.
Whittemore, Arthur A., M.D.	Bowman, N. Dak.
Wilcox, Ernest N., M.D.	Pleasantville, N. Y.
Wilding, Alfred G., M.D.	Malone, N. Y.
Willsey, William J., M.D.	67 State St., Perth Amboy, N. J.
Wilson, William H., M.D.	41 Broad St., Johnson City, N. Y.
Winsor, Frank L., M.D.	Laurens, N. Y.
Wunderbaldinger, Suzanne (Miss)	41 Belford St., Dorchester, Mass.
TOTAL	222

## Summer Course, 1915

*Baker, S. Josephine, M.D.	33 W. 96th St.
*Denno, Willard J., M.D., <i>Castleton, Vt.</i>	16 Central Park West
Durkee, C. Josephine, <i>17 S. Hawk St., Albany, N. Y.</i>	25 W. 45th St., care State Dept. of Health
*Gaines, Elizabeth V.	295 Ryerson St., Brooklyn
Greenway, James C., M.D.	Greenwich, Ct.
Guerard, Arthur R., M.D., <i>Flat Rock, N. C.</i>	601 W. 110th St.
†Kurtz, Henry T., M.D.	Highland Falls, N. Y.
Kutz, Sally E.	308 W. 94th St.
*McSweeney, Edward S., M.D.	Dongan Hills, N. Y.
*Overton, Frank, M.D.	Patchogue, N. Y.
Palmer, William B.	46 Ward St., Orange, N. J.
Regan, Joseph C., M.D.	23 St. Charles Pl., Brooklyn
Rich, Charles, M.D.	Yorktown Heights, N. Y.
Sameth, Nathan N.	374 Wadsworth Ave.
*Von Wedel, Hasson	Dobbs Ferry, N. Y.
TOTAL	15

\* Also taking Course for Degree.

† Also taking Correspondence Course.

## Graduates, 1916

Alexander, Morris Ephraim, 284 N. Main St., Waterbury, Ct.	463 E. 149th St.
Berlucci, William Guy	115 Skillman Ave., Brooklyn
Brady, Thomas A.	2019 Morris Ave.
Breakey, Ralph Stephenson, Monticello, N. Y.	231 E. 124th St.
Brock, Samuel	159 W. 125th St.
Brodie, Benjamin	127 W. 112th St.
Cahill, James Raymond, Montgomery, N. Y.	217 E. 27th St.
Calvelli, Eugene, Ph.G.; Ph.C.	2170 Second Ave.
Calvelli, George Joseph, Ph.G.; Ph.C.	2170 Second Ave.
Dixon, Hubert Carlyle, B.S., Siler City, N. C.	106 Lexington Ave.
Fauquier, Leonard Bleecker	62 Atlantic St., Jersey City, N. J.
Feldman, Harry	28 Broome St., Brooklyn
FitzGerald, James P., Clayton, N. Y.	234 E. 32d St.
Frasier, Nelson Robinson, Glens Falls, N. Y.	129 Lexington Ave.
Gerendasy, Julius	428 E. 67th St.
Gilady, Raphael, Palestine, Asia	15 E. 113th St.
Gottlieb, Abraham	174 Messerole St., Brooklyn
Gray, Albert Stanley	5918 Bay Parkway, Brooklyn
Greenberg, Lewis	197 Monroe St., Brooklyn
Hess, Henry Beemokes	358 Eleventh Ave., Paterson, N. J.
Irish, William Hadden	120 E. 17th St.
Janoff, Martin Lewis	570 Blake Ave., Brooklyn
Kroll, Adolph, Jr.	527 Lexington Ave., Clifton, N. J.
Levy, Edward	36 Siegel St., Brooklyn
Lipshitz, Louis	380 Broadway, Bayonne, N. J.
Lynch, Daniel Bernard, Glens Falls, N. Y.	129 Lexington Ave.
McHugh, John Paul, Glens Falls, N. Y.	234 E. 32d St.
Minin-Berg, Philip L.	31 Avenue B
Marshak, Joseph	324 E. 9th St.
Marten, Manuel Edward, Ph.G.	361 W. 20th St.
Myers, Alonzo H., M.D., Princeton, W. Va.	126 E. 59th St.
Nidish, Edward	140 W. 98th St.
Patiky, Joseph G.	Kings Park, L. I.
Prevette, I. Call, B.S., No. Wilkesboro, N. C.	106 Lexington Ave.
Reigi, Charles L.	71 Van Duzer St., S. I.
Rieser, Sidney L., Middletown, Ct.	130 E. 92d St.
Rusotto, Irving H.	Far Rockaway, L. I.
Ruth, Verl A., Des Moines, Ia.	49 E. 30th St.
Schenck, Samuel Bernard	604 Stone Ave., Brooklyn
Shekter, Abraham J.	422 Bradford St., Brooklyn
Siebeneichen, Hugo A.	699 E. 160th St.

Stern, Emanuel	206 E. 75th St.
Stringfield, Oliver Linwood, B.S., Ridgcrest, N. C.	148 E. 30th St.
Toporofsky, Jacob	33 Essex St.
Tyner, Carl Vann, B.S., Lowe, N. C.	224 E. 32d St.
Vejvoda, Charles	338 E. 72d St.
TOTAL	46

## Summary

FOURTH YEAR	48
THIRD YEAR	68
SECOND YEAR	111
FIRST YEAR	168

SPECIAL STUDENTS	398
PUBLIC HEALTH (Degree)	25
CORRESPONDENCE COURSE	222
PUBLIC HEALTH SUMMER	15

GRAND TOTAL	1055
DUPLICATIONS	6
NET TOTAL	1049

## ALUMNI SOCIETY

The New York University Corporation, upon approval by the Bellevue Hospital Medical College Corporation of the consolidation of the two Medical Colleges, enacted a statute by which New York University adopted as her own Alumni all Graduates of the Bellevue Hospital Medical College. Their names have accordingly been placed upon the roll of University Alumni with those of the University Medical College.

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# New York University

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*At University Heights*

College of Arts and Pure Science  
School of Applied Science

*At Washington Square*

School of Commerce  
School of Pedagogy  
School of Law  
Washington Square College  
Graduate School

*At Bellevue Hospital*

Medical College  
Veterinary College