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Medical Department Albany Medical College

Announcement for 1918-1919

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Attention is called to the fact that ALL students are to be governed by the rules, regulations and provisions contained in this announcement subject to the right of the trustees and faculty to repeal, change, amend or add to them or any of them and also to the express reservation by the Faculty (page 64).

August 1, 1918

Albany Medical College



Medical Department

of

Union University

Announcement for 1918-1919

Press of
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1918 — CALENDAR — 1919

1918

September 16, Monday . . . Examinations begin for applicants for advanced standing and for men previously conditioned.

September 23, Monday . . . **Academic year begins.** Registration of Students. Payment of first half of tuition fee is required on or before this date.

November 5, Tuesday . . . Election Recess.

Nov. 28, 29 and 30 Thanksgiving Recess.

Christmas Recess from Dec. 23, 1918, to Jan. 1, 1919, Inclusive

1919

January 23, Thursday . . . Mid-year Examinations begin.

January 31, Friday Payment of second half of tuition fee is required on or before this date.

February 1, Saturday . . . **Second half year begins.**

February 22, Saturday . . . Washington's Birthday, a holiday.

May 30, Friday Memorial Day, a holiday.

June 2, Monday Examinations begin.

**June —, ————* Commencement.

* Date to be announced later

ALBANY MEDICAL COLLEGE

General Statement

The Albany Medical College was organized in 1838 and incorporated in 1839, in which year its first class was graduated. Pursuant to the Act of Incorporation of Union University in 1873, Union College (Schenectady), the Albany Medical College, Albany Law School, Dudley Observatory and later the Albany College of Pharmacy, united in constituting Union University. Each institution, retaining its own property, was separately managed by its own Board of Trustees. To meet modern requirements for university control and in order to effectuate the provision that the Albany Medical College was the Medical Department of the University, its Trustees in 1915 appointed an Executive Committee of thirteen to control the educational policy of the Medical School, nine members of which are Governors of Union University. Also upon request of the Trustees of the Medical College the Governors of Union University have appointed a similar committee identical in personnel. The Treasurer of the Medical College has been appointed Treasurer of the University.

The commencement exercises for the year 1918 were held at Union College in connection with Union College commencement, thus emphasizing the university connection.

A complete reorganization of the school was effected in 1915. Largely increased Hospital facilities were assured, with teaching services both in Medicine and Surgery, students having immediate responsibility under supervision. The laboratory staff was increased and the courses were rearranged to conform with improved methods. With these changes, the Albany Medical College is prepared to furnish instruction which meets the highest demands of modern medical education.

The Executive Faculty is composed of the Chancellor of the University, the heads of the five major departments of medicine,

two special departments and the Dean. The advantage of such a small working faculty is apparent.

The requirements for admission, promotion and graduation have been raised, and the classes are restricted in number so that the important personal relation between student and teacher may be maintained.

The personnel of the governing board and of the teaching staff and the character of the courses of study are detailed in the succeeding pages.

OFFICERS OF UNION UNIVERSITY

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Secretary, J. NEWTON FIERO, LL.D., Albany.

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 J. NEWTON FIERO, LL.D.....Albany

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Albany College of Pharmacy

*CHARLES GIBSONAlbany
 WILLIS G. TUCKER, M.D., Ph.D.....Albany

*Member of Executive Committee of the Albany Medical College.

†Deceased.

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FACULTY AND TEACHING STAFF

- *CHARLES ALEXANDER RICHMOND, D.D., LL.D., *Chancellor of the University.*
 JAMES PETER BOYD, A.B., M.D., *Emeritus Professor of Obstetrics and Diseases of Children.*
 CYRUS STRONG MERRILL, M.D., *Emeritus Professor of Ophthalmology and Otology.*

Department of Medicine

- *HERMON CAMP GORDINIER, A.M., M.D., *Professor of Medicine.*
 *THOMAS ORDWAY, A.M., M.D., *Dean and Associate Professor of Medicine.*
 †ANDREW MacFARLANE, M.D., *Clinical Professor of Medicine.*
 JESSE MONTGOMERY MOSHER, M.D., *Clinical Professor of Mental Diseases.*
 ARTHUR SAUTTER, M.D., *Clinical Professor of Dermatology and Contagious Diseases.*
 †HENRY LARNED KEITH SHAW, M.D., *Clinical Professor of Pediatrics.*
 †EDWARD WATERBURY BECKER, M.D., *Instructor in Medicine.*
 ARTHUR SYDNEY BEDELL, B.A., *Instructor in Public Health.*
 HARRY WARDELL CAREY, M.D., *Instructor in Medicine.*
 FREDERIC CHARLES CONWAY, M.D., *Instructor in Medicine.*
 †ERASTUS CORNING, M.D., *Instructor in Medicine.*
 †MALCOLM DOUGLAS, M.D., *Instructor in Medicine.*

*Member of the Executive Faculty.

†Absent on War Service.

- NELSON KAUFMAN FROMM, M.D., *Instructor in Medicine.*
 †LEMUEL WHITTINGTON GORHAM, M.D., *Instructor in Medicine.*
 †CLARENCE FLACK GRAHAM, M.D., *Instructor in Medicine.*
 †CLINTON BENJAMIN HAWN, M.D., *Instructor in Medicine.*
 WILLIAM KIRK, M.D., *Instructor in Medicine.*
 SCHUYLER McCULLOCH MARTIN, M.D., *Instructor in Medicine.*
 CLINTON PRESTON McCORD, M.D., *Instructor in Educational Hygiene.*
 †JOSEPH PATRICK O'BRIEN, M.D., *Instructor in Medicine.*
 FRANK VANDER BOGERT, M.D., *Instructor in Pediatrics.*
 †JOSEPH ALOYSIUS LANAHAN, M.D., *Instructor in Dermatology.*
 CHARLES KNICKERBACKER WINNE, JR., M.D., *Instructor in Medicine.*
 †ARTHUR BENSON, M.D., *Assistant in Clinical Pathology.*
 LEROY SOLOMON BLATNER, D.D.S., *Assistant in Gastro-Enteric Diseases (Oral Pathology).*
 OTTO ALOIS FAUST, M.D., *Assistant in Medicine.*
 †JOHN LUVERNE HEMSTEAD, M.D., *Assistant in Medicine.*
 RICHARD ANDREW LAWRENCE, M.D., *Assistant in Pediatrics.*
 DANIEL VINCENT O'LEARY, M.D., *Assistant in Pediatrics.*
 FRANK JOHN WILLIAMS, M.D., *Assistant in Pediatrics.*
 FREDa CLISSOLD, *Laboratory Assistant in Clinical Pathology.*
 GENEVIEVE YENZ, *Clerical Assistant in Medicine.*

Department of Surgery

- †*ARTHUR WELLS ELTING, M.D., LL.D., *Professor of Surgery.*

*Member of the Executive Faculty.

†Absent on War Service.

- ARTHUR JOSEPH BEDELL, M.D., *Clinical Professor of Ophthalmology and Otology.*
- JOHN McWILLIAMS BERRY, M.D., *Clinical Professor of Orthopedics and Roentgenology.*
- †JOSEPH LEWI DONHAUSER, M.D., *Clinical Professor of Surgery.*
- JOHN BRUCE HARVIE, M.D., *Clinical Professor of Surgery.*
- CLEMENT FRANK THEISEN, M.D., *Clinical Professor of Laryngology and Rhinology.*
- †JAMES NEWELL VANDER VEER, M.D., *Clinical Professor of Genito-Urinary Surgery.*
- GEORGE EVERETT BEILBY, M.D., *Instructor in Surgery.*
- JOSEPH AMBROSE COX, M.D., *Instructor in Surgery.*
- †EDWIN LYON DRAPER, M.D., *Instructor in Surgery.*
- †PETER LYONS HARVIE, M.D., *Instructor in Surgery.*
- EUGENE EUNSON HINMAN, M.D., *Instructor in Laryngology and Rhinology.*
- CHARLES HENRY MOORE, M.D., *Instructor in Ophthalmology and Otology.*
- ARTHUR SAUTTER, M.D., *Instructor in Venereal Diseases.*
- †JOHN FORREST SOUTHWELL, M.D., *Instructor in Genito-Urinary Surgery and Surgical Pathology.*
- ARTHUR HENRY STEIN, M.D., *Instructor in Surgery.*
- †JOHN EDWARD HESLIN, M.D., *Assistant in Genito-Urinary Surgery.*
- HERBERT AUSTIN VOGEL, M.D., *Assistant in Orthopedics and Roentgenology.*
- †WILLIAM GEORGE KEENS, M.D., *Assistant in Laryngology and Rhinology.*

†Absent on War Service.

JOHN PAUL O'KEEFFE, M.D., *Assistant in Laryngology and Rhinology.*

IRVING VAN WOERT, M.D., *Assistant in Surgical Pathology.*

Department of Gynecology

*JOHN ALBERTSON SAMPSON, M.D., A.M., *Professor of Gynecology.*

PAUL TOMPKINS HARPER, M.D., *Clinical Professor of Obstetrics.*

†ROLAND G. HOLT, M.D., *Instructor in Obstetrics.*

TIFFANY LAWYER, M.D., *Instructor in Gynecology.*

DAVID JOSEPH HERLIHY, M.D., *Assistant in Obstetrics.*
(Resident Obstetrician Brady Maternity Home.)

DARWIN ALFRED BRUCE, M.D., *Assistant in Obstetrics.*

WAKEMAN CLARK EGERTON, M.D., *Assistant in Obstetrics.*

Department of Neurology

*LASALLE ARCHAMBAULT, M.D., *Professor of Neurology.*

NELSON KAUFMAN FROMM, M.D., *Instructor in Neurology.*

WILLIAM KIRK, M.D., *Instructor in Anatomy of the Nervous System.*

Department of Anatomy

*WESLEY MANNING BALDWIN, A.M., M.D., *Professor of Anatomy.*

CHARLES ETHAN ALLEN, A.B., *Instructor in Anatomy.*

†THOMAS WILLIAMS JENKINS, M.D., *Assistant in Anatomy.*

MAVER MILLER LEE, *Assistant in Anatomy.*

*Member of the Executive Faculty.

†Absent on War Service.

Department of Physiology

*MELVIN DRESBACH, M.D., *Professor of Physiology.*

ARTHUR KNUDSON, PH.D., *Associate Professor of Biological Chemistry.*

—————, ———, *Instructor in Physiology.*

JEAN TAIT, A.B., *Instructor in Biological Chemistry.*

—————, ———, *Assistant in Physiology.*

—————, ———, *Assistant in Pharmacology.*

Department of Pathology

*GEORGE SELLERS GRAHAM, A.M., M.D., *Professor of Pathology.*

†LAWRENCE JOSEPH EARLY, M.D., *Instructor in Pathology.*

LUCY E. BOURN, PH.B., *Instructor in Bacteriology.*

ANTON S. SCHNEIDER, B.S., M.A., *Assistant in Pathology.*

—————
WILLIAM ATWOOD LARKIN, PH.G., *Secretary .*

Special Lecturers and Instructors

JAMES EWING, *Professor of Pathology, Cornell University Medical College.*

EDWARD GODFREY, JR., *Epidemiologist, New York State Department of Health.*

WILLIAM H. GUILFOY, *Registrar of Records, Department of Health, City of New York.*

C. A. HOLMQUIST, *Division of Sanitary Engineering, New York State Department of Health.*

THEODORE HORTON, *Director, Division of Sanitary Engineering, New York State Department of Health.*

*Member of the Executive Faculty.

†Absent on War Service.

JOS. S. LAWRENCE, *Bacteriologist-Pathologist, Division of Laboratories and Research, New York State Department of Health.*

JOHN LOVETT MORSE, *Professor of Pediatrics, Howard Medical School.*

MATTHIAS NICOLL, JR., *Deputy Commissioner, New York State Department of Health.*

WILLIAM H. PARK, *Director of Research Laboratory, Department of Health, New York City.*

JOSEPH ROBY, *Acting Health Officer, City of Rochester, N. Y.*

ARTHUR SAUTTER, *Health Officer, City Bureau of Health.*

AUGUSTUS B. WADSWORTH, *Director, Division of Laboratories and Research, New York State Department of Health.*

GEORGE E. WILLCOMB, *Chemist, Bureau of Water, Albany.*

Admission Requirements

Each candidate for the Degree of Doctor of Medicine is required to present his Medical Student's certificate from the examinations division of the Board of Regents of the State of New York.

PUBLIC HEALTH LAW, CH. 45 OF THE CONSOLIDATED LAWS

To provide for the preliminary education of medical students:

"The degree of bachelor or doctor of medicine shall not be conferred in this state before the candidate has filed with the institution conferring it the certificate of the Regents that before beginning the first annual medical course counted toward the degree, he had earned a Medical Student Qualifying Certificate in accordance with the rules of the Regents, the minimum requirement for which, for matriculates after January first, nineteen hundred and seventeen, shall be the successful completion of an approved four-year high school course or its equivalent.

"In determining a candidate's qualifications for matriculation in a medical school or for admission to the medical licensing examinations, the Regents will accept evidence of the successful completion of two years of college work in an approved college or university after the successful completion of four years' work in an approved secondary school. Said college work must include three hour courses in physics, chemistry, and biology; and two of the three languages, English, German, and French.

"All applicants for qualifying certificates upon equivalents from foreign countries other than those in which English is the language of the people, all or any part of which equivalent certificates are earned or issued in said foreign countries, shall pass the Regents' examination in second year English.

"When all requirements are fulfilled, the Regents grant on receipt of 25 cents a medical student certificate.

"On receiving this certificate, the candidate must send it to the secretary or recording officer of the university or college at which he intends to study medicine.

"Address all communications relating to these examinations to Chief Examinations Division, University of the State of New York, Albany, N. Y., and not to this college.

In addition to the Regents' Certificate the student is also required to show evidence of the satisfactory completion, in a recognized college or scientific school, of at least two years' course of study including French or German, biology, physics and *chemistry, the equivalent of courses offered by Union College. These requirements are to be satisfied in full before matriculation.

For admission in September, 1918, the completion of two years of pre-medical work will be required.

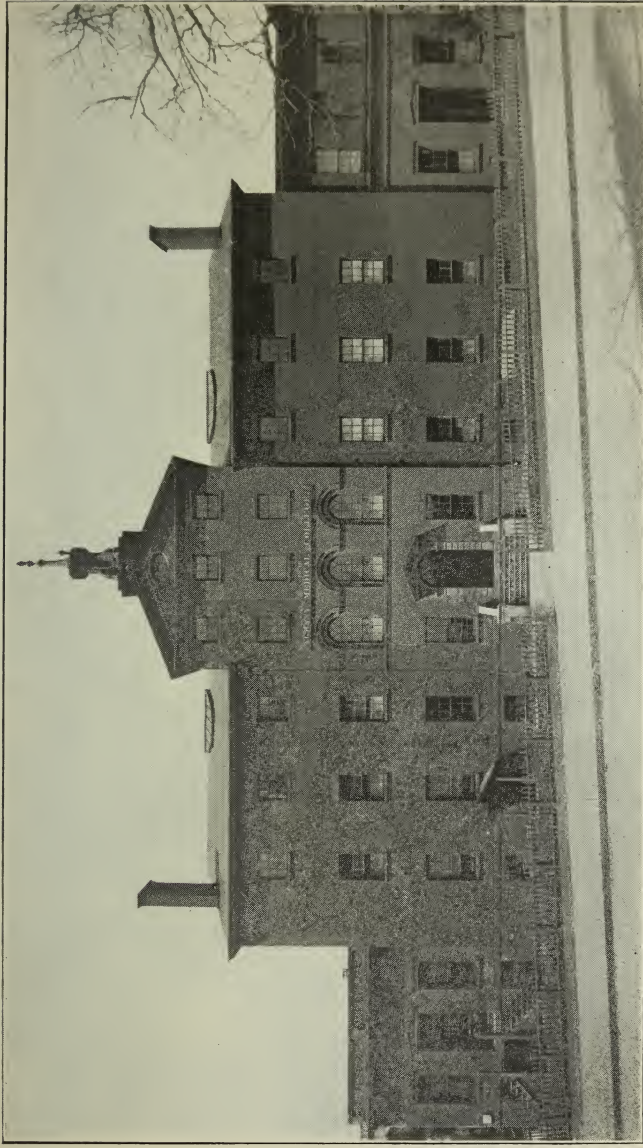
TWO YEAR PRE-MEDICAL COURSE IN UNION COLLEGE

This course is offered to meet the requirements for admission to the Medical Department of Union University in accordance with the recommendations of the American Medical Association.

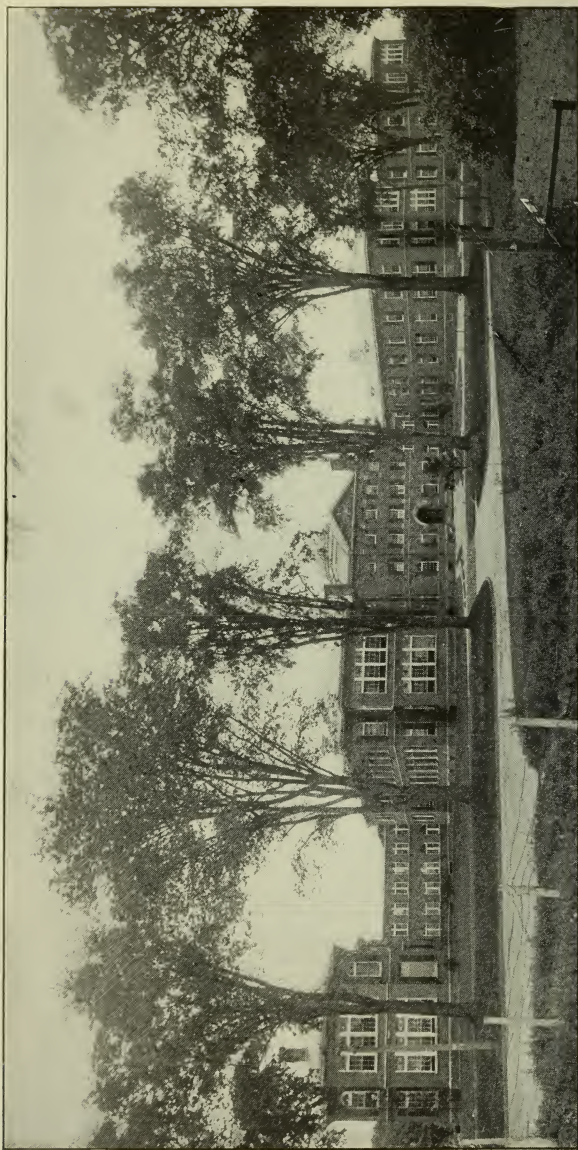
Requirements for Admission

English: a, b.....	3	units
Modern Languages: a or b or c.....	2	units
Mathematics: a, b.....	2½	units
Science.	1	unit
History: c.	1	unit
Electives.	4½	units
	Total 14 units	

*Beginning in September, 1919, Organic Chemistry will be required for entrance.



ALBANY MEDICAL COLLEGE



THE ALBANY HOSPITAL

Entrance Requirements in Individual Subjects

In every instance the work required is that outlined for the given subject in the reports of the College Entrance examination Board, the Carnegie Foundation, or the syllabus of the New York State Education Department.

English. (3 units)

This requirement is based upon the study of books found in the two lists published in the syllabus for secondary schools issued by the New York State Education Department and in the bulletin of the College Entrance Examination Board.

a. The first list consists of works to be read carefully, with a view to the absorption of the subject matter, i. e., as books are generally read. (1½ units.)

b. The second list consists of books to be read with critical care, in annotated editions, and with reference to dictionary, grammar, and rhetoric. In the study of the books in this list attention should be given to literary form and logical structure, as well as to substance. (1½ units.)

Modern Languages. (2 units)

Either German or French or Spanish may be offered. The course required consists of either

- a. Two years work in German *or*
- b. Two years work in French *or*
- c. Two years work in Spanish.

Mathematics. (2½ units)

a. Algebra. Elementary and intermediate, including the binomial theorem and progressions, one and one-half years being given to the work. (1½ units)

b. Plane geometry, the entire subject. (1 unit)

Science. (1 unit)

The work in science may be offered in any of the departments named below, except that for admission to the B.S. course in Chemistry, chemistry must be chosen. The figure in parenthesis shows the unit value:

- a. Physics. (1)
- b. Chemistry. (1)
- c. Biology. (1)
- d. Zoology. (1)
- e. Botany. (1)

History. (1 unit; 2 units)

a. Greek History ($\frac{1}{2}$ unit). In this study must be included the geography of ancient Greece.

b. Roman History ($\frac{1}{2}$ unit). In this study must be included the geography of the Roman Empire.

c. History of the United States (1 unit).

Elementary United States History will be accepted if the candidate presents in addition a year of history not otherwise required.

Electives. ($\frac{1}{2}$ unit; $1\frac{1}{2}$ units; $4\frac{1}{2}$ units)

In completing the requirements for admission to each course a fixed number of elective units in subjects not already taken from other groups must be offered from the list below.

For admission to the A.B. course	$1\frac{1}{2}$ units
For admission to the A.B., b, and Ph.B. courses.	$\frac{1}{2}$ unit
For admission to the B.S. course	$4\frac{1}{2}$ units
For admission to the B.E. course	$4\frac{1}{2}$ units
For admission to the Pre-Medical course	$4\frac{1}{2}$ units

The figure in parenthesis after each subject shows the unit value of that subject.

Greek: 2, 3.	(2, 3)
Latin: 2, 3, 4.	(2, 3, 4)
French: 1, 2, 3.	(1, 2, 3)
German: 1, 2, 3.	(1, 2, 3)
Spanish: 1, 2, 3.	(1, 2, 3)
Civics.	($\frac{1}{2}$)
Physics.	(1)
Chemistry.	(1)
Physiology.	($\frac{1}{2}$)
Biology.	(1)
Greek History	($\frac{1}{2}$)

Roman History	(1/2)
English History	(1)
History of English Literature.....	(1/2)
Solid Geometry	(1/2)
Plane Trigonometry	(1/2)
Spherical Trigonometry	(1/2)
Drawing.	(1)
Zoology.	(1)
Botany.	(1)
Physiography.	(1)
Commercial Law	(1/2)
Commercial Geography	(1/2)

Pre-Medical Curriculum

Freshman Year

First Semester

Mathematics (Mathematical Analysis).....	3 hours
Biology (Botany and Zoology).....	4 hours
Chemistry (General, qualitative analysis).....	5 hours
German (Intermediate, 3rd year).....	5 hours
or	
French (Intermediate, 3rd year).....	5 hours
English (Rhetoric and Composition)*.....	3 hours

Total 20 hours

Second Semester

Studies of first semester continued

One credit hour throughout the year is required in Gymnastics

Sophomore Year

First Semester

Chemistry (Qualitative, quantitative, organic).....	4 hours
Biology (Comparative anatomy).....	4 hours
Physics (General)	4 hours

*Replaced in 1918-19 by Military Tactics.

French (Elementary, composition and reading)....	3 hours
or	
German (Elementary, composition and reading)....	3 hours
English (Introduction to literature).....	3 hours
Rhetoric (orations)	1 hour
	Total 19 hours

Second Semester

Studies of first semester continued

The Work in Individual Subjects

Freshman Year

Elementary Mathematical Analysis. This course gives an introduction to the elementary mathematical functions, the concepts connection therewith, the processes necessary to their study, and their application. It takes the place of the formal courses in Algebra, Trigonometry and Analytic Geometry.

General Biology. This course is designed especially for pre-medical students. It deals during the first semester with botany, and during the second semester with zoology. The work in botany consists of an introductory study of the physiology and structure of a typical flowering plant, followed by a study of a series of types illustrating the problems of the evolution of the plant kingdom and the relation of plants to man. The work of the second semester includes a study of the physiology, anatomy, histology and development of the frog as illustrative of a typical vertebrate. This is followed by a study of selected types showing the evolution of the animal kingdom and the problems involved therein. Laboratory work, lectures and recitations.

General Chemistry. The course includes an exhaustive study of the non-metals and their compounds, together with the fundamental laws and theories of chemistry, a special study of the common metals, and a brief introduction to organic chem-

istry. Laboratory practice in the first semester is strictly quantitative, and in the second semester includes simpler methods of qualitative analysis involving the recognition of single metals and acid radicals in solution.

German. Grammar for review and reference; exercises in syntax; practice in writing German. The reading of the class is mainly in Scientific German, but other matter is also read and suitable selections are assigned for outside study and made the basis of tests and themes. In any year the equivalent of at least two of the following scientific works and one of the others are read.

Wallentin: Grundzüge der Naturlehre

Du Bois-Reymond: Wissenschaftliche Vorträge

Lassar-Cohn: Die Chemie im täglichen Leben

Muller: Die elektrischen Maschinen

Hauff: Lichtenstein; Freytag: Das Nest der Zaunkönige, Soll und Haben; Sudermann; Frau Sorge; Storm: Der Schimmelreiter; Meyer: Das Amulett, Der Heilige.

or

French. A rapid review of the elements of grammar, and the study of syntax and composition; practice in pronouncing and reading French, by means of reading, dictation, and some conversation; careful translation. In 1917-18 one or more books will be read from each of the following groups:

Daudet: Tartarin de Tarascon.

Buffum: French Short Stories.

Dumas: La Tulipe Noire; Feuillet: Le Roman d'un Jeune Homme Pauvre; Hugo: Hernani; La Brète: Mon Oncle et mon Curé; Labiche et Delacour: La Cagnotte; Sand: La Petite Fadette.

Rhetoric and Composition. The aim of this course is to train the student in the use of clear and correct English, written and spoken. The work consists of the study of rhetorical principles and practice in composition. In 1917-18 Contry's English Composition and Woolley's Handbook of Composition will be used as text-books. A certain amount

of outside reading from English authors is also assigned. Each student meets the instructor in personal conferences for advice about his individual work. Replaced in 1918-19 by Military Tactics.

Sophomore Year

Pre-Medical Chemistry. The course continues the elementary qualitative analysis begun in freshman year, and includes a study of the fundamental principles and a little practice of quantitative methods, especially applied to problems that are likely to confront a physician.

In the second semester elementary organic chemistry is studied, with constant reference to medicinal chemicals. In the laboratory, during this semester, typical organic compounds will be prepared and their properties studied.

Comparative Anatomy. The anatomy of a series of vertebrate types is studied in the laboratory. In the lectures and recitations the evolution of the structure of the higher vertebrates and man is considered given in the first semester. Laboratory work, lectures and recitations.

Required of students in the second year of the pre-medical course. Elective in connection with course 4 for juniors and seniors in the A.B., Ph.B., and B.S. courses who have taken course 1 or course 2. Four credit hours weekly throughout the year.

General Physics M. This course is similar to but less extensive than physics 1, and is intended for students in the two-year course offered by the college in preparation for admission to the medical department of the university.

French. A rapid review of the elements of grammar, and the study of syntax and composition; practice in pronouncing and reading French, by means of reading, dictation, and some conversation; careful translation. One or more books read from each of the following groups:

Daudet: Tartarin de Tarascon.

Buffum: French Short Stories.

Dumas: La Tulipe Noire; Feuillet: Le Roman d'un Jeune Homme Pauvre; Hugo: Hernani; La Brète: Mon Oncle et mon Curé; Labiche et Delacour: La Cagnotte; Sand: La Petite Fadette.

German. A course in grammar, composition and reading; easy selections in prose and poetry, historical matter, a novel and a play are read. While thorough preparation and careful drill are insisted upon throughout, the amount of reading demanded is considerable.

Introduction to English Literature. This is a course of general reading aiming to acquaint the student with some of the masterpieces of English literature, to train him in the habit of careful reading, and to serve as a basis for more advanced study. The program is as follows: In the first semester the subject is the literature of the Elizabethan era, chiefly as seen in the plays of Shakespeare. In 1917-18 Hamlet was read with care, and several other plays in a more cursory manner. Thorndike and Neilson's Facts about Shakespeare is used for reference and additional information. In the second semester the subject is the age of Anne, first, as seen in Thackeray's Henry Esmond, and afterward as shown in the literature of the time.

Sophomore Orations. The work consists of three distinct parts: (a) formal lectures upon the art of public speaking, together with abundant illustrations and class practice upon the principles involved; (b) the writing of orations under individual criticism; (c) the delivery of these orations before the class, subject to further criticism for both individual and general instruction. Supplemental to this work, still further individual criticism and instruction, based on personal needs, is given all students who enter the various contests regularly held under the auspices of the department.

In addition to the pre-medical course above described, Union College, the academic department of Union University, at Schenectady, N. Y., has arranged a combined seven-year course; the satisfactory completion of which entitles the student to both the collegiate and the medical degree. To this course the attention of the prospective medical student is called.

The classes are limited in number and the College reserves the right in its discretion to refuse applicants, if the number admitted is as large as can be effectively taught. Women are admitted. Students are requested to apply for admission before July 1 on blanks to be furnished by the Dean's office. All inquiries and other communications should be addressed to Thomas Ordway, M.D., Dean, Albany Medical College, Albany, N. Y.

Admission to Advanced Standing

In only exceptional instances will students be admitted to advanced standing. All candidates for the Degree of Doctor of Medicine desiring to be admitted to advanced standing must satisfy the conditions referred to under "Admission Requirements" and in addition must present evidence that they have satisfactorily completed, at an approved medical school, the courses from which exemption is desired. They must also pass any examinations which may be deemed desirable by the head of each department in the Albany Medical College.

Examination and Advancement of Students in Regular Standing

The passing mark for any course is 75. A mark below 75, but above 59, constitutes a "condition." A mark below 60 constitutes a "failure." A student who has failed in any subject must repeat the work in that subject. A student who is conditioned in not more than 50% of credits during the first and second years and not more than 25% of credits during the third and fourth years is entitled to but one re-examination on the subjects in which he is conditioned. All conditions must be passed before the student may enter the succeeding year. Students conditioned in more than 50% of credits during the first

and second years and more than 25% of credits during the third and fourth years must repeat the work of the entire year. No student shall be registered more than twice in the same course. No student shall be admitted to the third-year class unless he has taken the preliminary State Board examinations. No student shall be admitted to the fourth-year class unless he has successfully passed the preliminary New York State Board examinations.

Special students may be registered, upon petition, and by recommendation of the head of the department, in any course at the discretion of the Faculty.

First Year Subjects

First Semester

	Total Hours	University Credits
Gross Anatomy	444	16
Histology.	132	5
Embryology.	72	2.
Anatomy of the Nervous System.....	56	2
	<hr/>	<hr/>
	704	25

Second Semester

Physiology.	384	15
Organic Chemistry	140	6
Physiological Chemistry	180	7
	<hr/>	<hr/>
	704	28

Second Year Subjects

First Semester

Pathology.	331	12
Neuro-Histology.	80	3
Bacteriology.	166	6
Lower Extremity	64	2
Obstetrics.	16	1
	<hr/>	<hr/>
	657	24

Second Semester

	Total Hours	University Credits
Pharmacology.	160	7
Physical Diagnosis	80	3
Surgical Technic	16	1
Pathology of the Nervous System.	64	2
Applied Anatomy	96	4
Obstetrics.	16	1
Clinical Pathology	96	3.5
Clinical Chemistry	64	2.5
	<hr/>	<hr/>
	592	24

Third Year Subjects*First and Second Semesters*

Neurology.	96	5
Medicine.	272	12
Pediatrics.	129	4
Surgery.	241	8
Orthopedics.	32	2
Genito-Urinary Surgery	32	2
Ophthalmology and Otology	99	5
Laryngology and Rhinology	57	2
Surgical Pathology	96	2
Gynecology.	32	2
Obstetrics.	64	4
	<hr/>	<hr/>
	1150	48

Fourth Year Subjects*First and Second Semesters*

Medicine.	347	12
Dermatology.	32	2
Public Health	96	4
Mental Diseases	48	2

	Total Hours	University Credits
Surgery.	296	12
Laryngology and Rhinology	42	2
Gynecology.	96	4
Obstetrics.	64	4
Neurology.	96	5
	1117	47

An hour of University Credit is given for one hour a week recitation or lecture per semester. Two laboratory hours count as one hour credit.

History of Medicine, Medical Ethics, Medical Jurisprudence and Economics. These subjects are covered in the regular courses of study by several departments and by special lectures. The responsibilities of the physician towards the insane and their relatives and the general public, and the criminal aspects of the mentally defective, are discussed in the course in mental diseases and public health by Dr. Mosher, Mr. Hill and others. In the course on obstetrics Dr. Harper takes up the moral and legal side of rape, feigned and unconscious pregnancy, what constitutes a "live birth," feigned or unconscious delivery, injury to the foetus during precipitate labor, post mortem delivery and the diagnosis of recent delivery. Certain medico-legal aspects of toxicology are covered in the course in pharmacology. In the course in gross pathology, medico-legal autopsies and cases of homicide, suicide, accident and abortion and other phases of legal medicine are demonstrated or discussed.

Requirements for License to Practice Medicine in New York State

All requirements for admission should be completed at least one week before examinations.—They are as follows:

1. Evidence that applicant is more than 21 years of age.
2. Certificate of moral character from not less than two physicians in good standing.
3. Evidence that applicant has the general education required, preliminary to receiving the degree of bachelor or doctor of medicine in this state.
4. Evidence that applicant has studied medicine not less than four school years, including four satisfactory courses of at least seven months each, in four different calendar years in a medical school registered as maintaining at the time a standard satisfactory to the Regents. New York medical schools and New York medical students shall not be discriminated against by the registration of any medical school out of the state, whose minimum graduation standard is less than that fixed by statute for New York medical schools.

First exemption: "The Regents may in their discretion accept as the equivalent for any part of the third and fourth requirement, evidence of five or more years reputable practice of medicine, provided that such substitution be specified in the license."

a For matriculates prior to January 1, 1897, in lieu of all the preliminary requirement and one year of the professional requirement.

b For matriculates between January 1, 1897, and January 1, 1911, in lieu of one year of the preliminary requirement and one year of the professional requirement.

c For matriculates after January 1, 1911, no acceptance of reputable practice for any part of either the third or fourth requirement.

5. Evidence that applicant "has received the degree of bachelor or doctor of medicine from some registered medical school, or a diploma or license conferring full right to practice medicine in some foreign country."

6. The candidate must pass examinations in (1) anatomy, (2) physiology, (3) chemistry, (4) hygiene and sanitation, (5) surgery, (6) obstetrics and gynecology, (7) pathology and bacteriology, and (8) diagnosis. The questions shall be the same for all candidates.

Second exemption: "Applicants examined and licensed by other state examining boards registered by the regents as maintaining standards not lower than those provided by this article, and applicants who matriculated in a New York state medical school before June 5, 1890, and who received the degree M. D. from a registered medical school before August 1, 1895, may without further examination, on payment of \$25 to the Regents and on submitting such evidence as they may require, receive from them an indorsement of their licenses or diplomas, conferring all rights and privileges of a Regents' license issued after examination." Indorsements of Ohio, Delaware, Indiana, Utah, New Jersey, Wisconsin and Virginia licenses are now possible.

7. A fee of \$25 payable in advance.

An applicant 19 years of age certified as having studied medicine not less than two years including two satisfactory courses of at least seven months each, in two calendar years in a medical school registered as maintaining at the time a satisfactory standard, may be admitted conditionally to the examination in (1) anatomy, (2) physiology, (3) chemistry.

Medical Examinations

Examinations for license to practice medicine in this state will be held as follows. Dates, 1918, September 24-27; 1919, January 28-31, May 20-23, June 24-27, September 16-19. Places, New York, Albany, Syracuse and Buffalo.

License Examination — Daily Program

	Morning 9:15	Afternoon 1:15
<i>Tuesday</i>	Anatomy.....	Physiology
<i>Wednesday</i> ..	Chemistry.....	Hygiene and sanitation
<i>Thursday</i> ...	Surgery.....	Obstetrics and gynecology
<i>Friday</i>	Pathology and bacteriology..	Diagnosis

Address all communications relating to State licenses and examinations to Examinations Division, University of the State of New York, Albany, N. Y., and not to this college.

General Plan of Instruction

The first two years of the medical course are devoted mainly to the fundamental sciences, the larger part of the time being spent in practical work in the laboratories. The work of these years is on the so called "concentration plan," by which the student spends all day for the first half of the first year on gross and microscopic anatomy and embryology and in the second half of the first year the forenoons are devoted to physiology and the afternoons to biological chemistry. In a similar way pathology and bacteriology are studied in the first half of the second year. In the last half of the second year pharmacology, physical examination of normal infants, children and adults, certain phases of obstetrics, applied anatomy, minor surgery and surgical technic, clinical pathology and special clinics are given in preparation for the clinical work of the last two years.

A course is given in laboratory instruction in methods and experience in the examination of water, milk, air and other matters pertaining to public health, including a sanitary survey. The field of public health is systematically covered in the fourth year by lectures and demonstrations by experts in association with the State Department of Health and City Bureau of Health and other specially invited lecturers and instructors.

In the last two years the various clinical branches are studied in the wards, hospitals, dispensaries and clinical laboratories. The third year is devoted to surgical pathology and section work in the dispensaries and wards. Didactic and clinical lectures in medicine are given during the third and fourth years as a basis for correlating and amplifying the information gained in the clinics and at the bed side. In the third and fourth years also, the special branches of medicine are studied by small groups of students. In the fourth year similar groups have bed-side instruction and responsibility, under supervision, in surgery and medicine.

Clinical Opportunities

Increased hospital facilities are assured in order to make sufficient clinical material available for approved methods of teaching clinical medicine.

The Albany Hospital

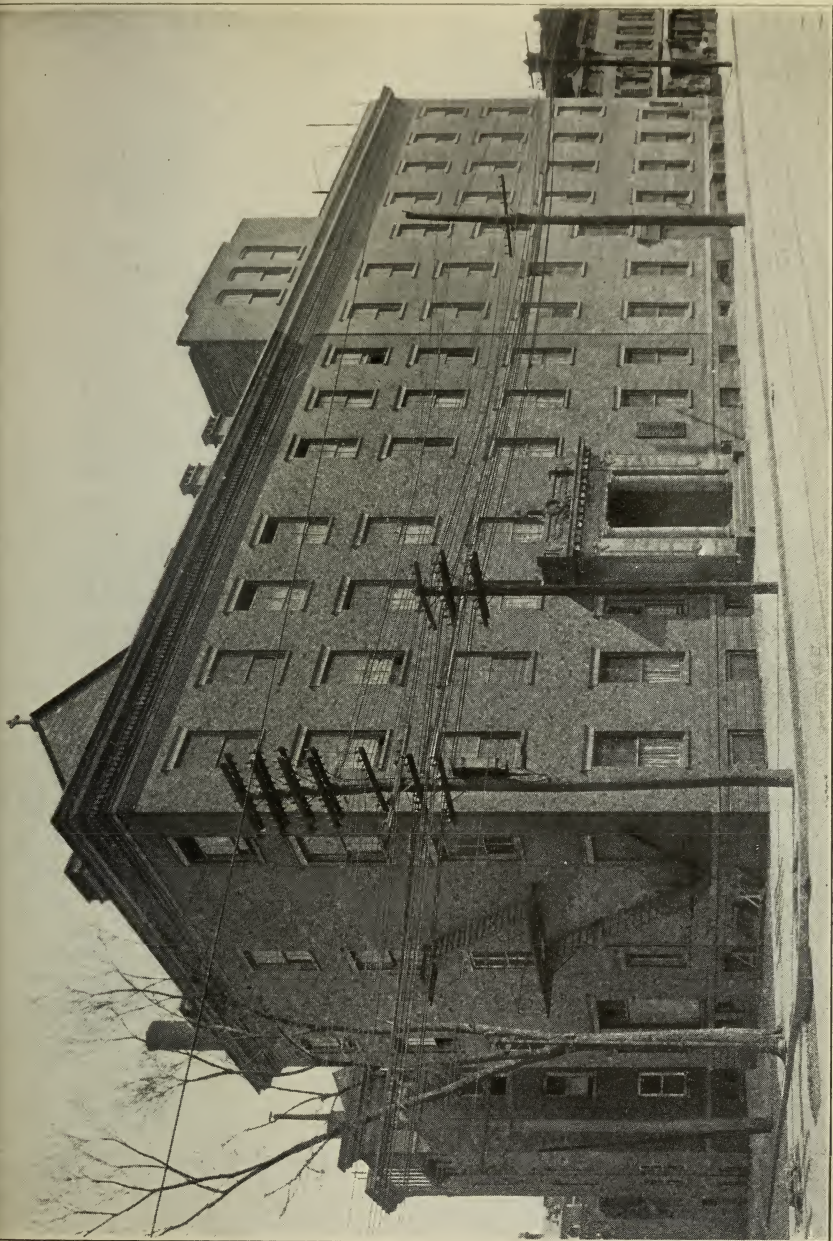
The Albany Hospital is a large, general hospital of about 400 beds. There are special buildings for contagious and mental diseases and a separate department for tuberculosis. A very close relationship has been established between the Albany Hospital and the Albany Medical College whereby there will be a full time medical teaching service which will serve as a clearing house for all cases not frankly mental, contagious or surgical. There will be a similar service, continuous during the school year, in surgery.

Pavilion F for Mental Diseases. The wards of Pavilion F of the Albany Hospital are used for clinical instruction in mental diseases. This building provides thirty-three beds for the treatment of acute mental cases, and for the temporary detention of cases of insanity, pending legal commitment to institutions for the insane. About three hundred and fifty patients are received each year. The organization and administration are those of the general hospital, and special attention is given to the physical basis of mental symptoms.

Pavilion G for Contagious Diseases. The Pavilion is divided into four separate corridors for different contagious diseases, each corridor having a separate entrance from the main hall, which entrance is protected by two doors. It may be noted that there has never been a case of cross infection from one corridor to the other.

The number of beds in this pavilion is forty to sixty.

The Albany Hospital Tuberculosis Sanatorium is located on rising ground near the western city limit. It is surrounded by one hundred acres of ground, owned by the hospital, partly wooded and partly under cultivation. The sanatorium buildings



ST. PETER'S HOSPITAL

are on dry, sandy soil. The plant consists of a central building, two stories in height, containing kitchen, heating, storage and administrative units, and private rooms for advanced cases.

The nominal capacity of the sanatorium is ninety-one beds, but the general type of construction permits of some elasticity in this respect.

The sanatorium is easily reached by trolley cars from all points of the city. No restrictions as to the class of case admitted for treatment are made.

The natural advantages of location, the wide variety of cases, the adequate supervision of patients and the close association of this department with the other branches of the hospital combine to furnish a clinic of value both to the student and the social worker.

The South End Dispensary. The South End Dispensary is a large general dispensary and also has departments for the special branches of medicine. It is located in a crowded part of the city and provides abundant material for teaching.

St. Peter's Hospital

St. Peter's Hospital is located at Broadway and North Ferry Street. It is under the management of the Sisters of Mercy. The hospital has a capacity of 104 beds. The medical and surgical services are very active and the wards and the dispensary provide an abundance of clinical material available for the purpose of study and teaching.

The Samaritan Hospital

The new Samaritan Hospital in Troy was completed in the autumn of 1914. It is located on Burdett and Peoples avenues, and is easily accessible by the Beman Park lines. This hospital was built on the pavilion plan with a large central administration building, part of which is the nurses' home. It has a capacity of 225 beds, including those of the contagious building, which is an independent unit of 25 beds. The medical and surgical

wards contain forty beds and are large and well adapted for bedside clinical instruction. There are two large and one small operating rooms, together with a well-equipped and modern delivery room. The pathological and clinical laboratories are adjacent to the medical wards and very accessible. The specialties are represented by a well-conducted out-patient service and such departments for medicine and surgery are soon to be established. The hospital construction and equipment is thoroughly modern.

The Anthony N. Brady Maternity Home

The Anthony N. Brady Maternity Home, which is located on North Main Avenue, has been recently completed. In its public wards of twelve beds and in its semi-private and private rooms, there are accommodations for fifty obstetric cases. It shares, with the Infant Home, a spacious plot assuring an abundance of light and air. On each of the three floors devoted to patients, there are a nursery and two solaria; on the fifth or top floor, there are the labor, delivery and sterilizing rooms. The appointments throughout are modern and the equipment complete. An obstetric dispensary and a motor ambulance are maintained.

The Child's Hospital

The Child's Hospital has a capacity of sixty beds. It is situated at the corner of Elk and Hawk Streets and is under the direct management of the Sisters of the Order of the Holy Child Jesus as a portion of the diocesan work of the Episcopal Diocese of Albany. It is designed to care for children not less than one year old, requiring medical or surgical treatment, suffering from acute or chronic diseases, or convalescing from long illness. All classes of cases are admitted, except contagious. During the year about 500 patients are cared for and about 200 operations are performed.

St. Margaret's House and Hospital for Infants

St. Margaret's House and Hospital for Infants is situated on the corner of Elk and Hawk Streets, next to the Child's Hos-

pital. This hospital was especially constructed for the care of infants and has a capacity of sixty cribs. Only infants under twelve months of age are admitted, but they can remain until they are two years old if their condition requires special care. Particular attention is given to the proper feeding of infants and the diet kitchen and refrigerator room were constructed for this purpose. The hospital offers special advantages for the study, care and feeding of infants, both in sickness and health.

The Albany Hospital for Incurables

This hospital was established in 1884, for the care of chronic patients. It is situated in a beautiful part of the southern section of the city and cares for seventy-five patients, sixty-five of whom are charity or semi-charity cases.

These patients are all chronic cases and illustrate especially well the advanced stages of nervous lesions, cardio-renal conditions, disorders of metabolism and malignancy. These patients are available for clinics and individual study.

The Albany Orphan Asylum

The Albany Orphan Asylum accommodates about one hundred and fifty children between the ages of six and sixteen in modern cottages of the most approved type upon grounds near the Albany Hospital. Students of the Albany Medical College visit the asylum with instructor for training in methods of normal physical and mental diagnosis, and in the use of the Binet-Simon tests. Classes in vaccination are held here. The Lathrop Memorial Home, branch of the Albany Orphan Asylum, on Washington Avenue, for children between two and six years, is also used for clinical instruction in the diseases of infants.

The County Hospital

The County Hospital is conveniently located near the Bender Laboratory and the Albany Hospital. It contains one hundred and fifteen beds which are occupied by a great variety of neurological cases including the commoner and certain more

unusual conditions. There are also numerous chronic and a few acute cases furnishing excellent material for the teaching of Physical Diagnosis.

The Albany Guild for Public Health Nursing

SPECIAL OBSTETRIC DEPARTMENT

The purpose of the work of this department, which is carried on in connection with the Albany Medical College and under the direction of its Clinical Professor of Obstetrics, is two-fold: (1) to give the sick-poor efficient obstetric care and (2) to teach students clinical obstetrics.

That the foregoing may be realized the management is as follows:

Patients are confined, in their homes, in the presence of and visited regularly by the Attending Obstetricians. Abnormalities are reported to the Chief Obstetrician, who is Resident Obstetrician at the Anthony N. Brady Maternity Home. The facilities of the public ward of the Home, under the supervision of the department director who is its Attending Obstetrician, are at the disposal of this department.

All fourth year students are subject to call for service in this department wherein are afforded opportunities for the observation and direction of labor and the puerperium under professional supervision. The members of the Staff are associated, as Instructors, with the Department of Obstetrics in the College.

A course of practical lectures is given the Guild nurses, who supply the nursing care.

Hospital Appointments

About the close of each school year vacancies occur in the house staffs of the hospitals in Albany, Troy and other cities. These are filled by medical school ranking or by competitive examinations which are open to members of the graduating class. Students are expected to take at least one year of service after graduation in a large, general hospital.

GENERAL INFORMATION

Registration. After having complied with the "admission requirements" to the first year or to advanced standing, and paid the first half of the tuition fee, students, upon payment of \$5.00 for matriculation, receive a card which must be presented to the instructor in charge of each course in order that the holder may be recognized and receive due credit for his work. Matriculation applies only for the year in which the card is issued.

Fees. The *tuition fee* is \$160.00 (one hundred sixty dollars) a year, payable in advance, or if desired, in two installments, the first on or before September 23, 1918, the second on or before January 31, 1919. The *fee* for dissecting material is \$15. There are no extra charges except for the rental of microscopes, laboratory breakage or loss and certain individual supplies for which a *deposit* of \$5 is required in each of the following courses: anatomy, physiology, biological chemistry, pharmacology and clinical pathology. All fees are payable at the Dean's office and are not returnable.

Equipment. Every student is strongly urged to provide for himself a good compound microscope with oil-immersion lens. Such a microscope is not only necessary during the entire medical course but in actual practice after graduation. If a student is unable to secure such a microscope he may rent one, provided it is returned in good condition.

After the second year a standard blood counting apparatus, an instrument for hemoglobin estimation, a stethoscope and certain clinical supplies are recommended. For the laboratory work of the first two years, a dissecting set, slides, cover glasses and certain other inexpensive supplies are necessary. A list of these supplies, text and reference books, will be given by the instructors at the first meeting of the courses.

Prizes

Certain prizes are awarded annually under the conditions below indicated.

S. Oakley Vander Poel Prize. A prize consisting of a com-

pound microscope is awarded to the senior student passing the best bed-side examination in general medicine. This prize was endowed by Mrs. Vander Poel in memory of her husband, for many years a professor in this college.

Cyrus Strong Merrill Prize. A prize consisting of an ophthalmoscope is offered by Dr. Cyrus Strong Merrill, Emeritus Professor of Ophthalmology and Otology, to the senior student having the highest standing during the year in ophthalmology and otology.

The Townsend Physiological Prize. A prize of \$20.00 is awarded to the student passing the best examination in physiology, at the expiration of his first year of study in physiology. This prize is made possible by an endowment by the late Professor Franklin Townsend, Jr., M. D.

James Peter Boyd Prize. A prize consisting of a case of instruments is offered by Dr. James Peter Boyd, Emeritus Professor of Obstetrics and Diseases of Children, to the senior student having the highest standing during the year in obstetrics.

The Daggett Trust. Pursuant to the provisions of a bequest by the late Dr. Nathan G. Daggett of Schenectady, an alumnus of the college of the class of '67, the following prizes are announced for the ensuing year:

1. *For the best "anatomical specimen"* a first prize of \$60.00 and a second prize of \$30.00. In 1919 these prizes will be awarded to students presenting the best and second best series of specimens prepared under the direction of a member of the Department of Anatomy, indicating original research by the competitors.

For methods of preparation of specimens, application may be made to the Professor of Anatomy. Preparations must be deposited with the Professor of Anatomy on or before June 5, 1919. All specimens submitted in competition are the property of the college whether awarded prizes or not. Prizes will be awarded only to preparations of merit. Further information may be obtained from the Professor of Anatomy.

2. *For the best "department irrespective of scholarship"* as

determined by the Faculty, a first prize of \$60.00 and a second prize of \$30.00. These prizes restricted to members of the graduating class.

John Milton Bigelow Prize. A prize of \$80.00 is awarded to the senior student passing the best examination in diseases of the nose and throat. This prize was endowed by the late Dr. John M. Bigelow.

Medical Supervision of Students

It is expected that each student will avail himself of the opportunity of a thorough physical examination at the beginning and end of each school year.

A member of the faculty has been appointed to advise with students in matters relating to their health.

In case of sickness students should notify the Dean's office.

Library

In 1893 the Medical School presented its library to the State of New York to form the nucleus of a large medical library which should be forever open to the students of the medical schools and in general to physicians throughout the State. The medical library is now unusually well housed and equipped in the new Education Building where every assistance and convenience is afforded to students. The entire library has 500,000 bound volumes and takes 8,800 current periodicals. The medical library possesses 23,000 bound volumes and receives 500 current periodicals. In addition to this library, each department has its own small working library of books and journals for ready reference.

Publications

In 1891 the *Albany Medical Annals* became the Journal of the Alumni Association of the Albany Medical College and has extended its field to cover all branches of medicine and surgery

under the direction of editors for each department. The *Annals* is published on the first of every month. The subscription price is \$2.00 a year in advance. Original articles, items of medical importance and correspondence upon topics of current interest are solicited. Many details of college work are described each month.

Communications and subscriptions should be addressed to

ALBANY MEDICAL ANNALS,

Albany Medical College, Albany, N. Y.

DEPARTMENTS OF INSTRUCTION AND ANNOUNCEMENT OF COURSES

The departments of instruction include the major branches of medicine and certain special subjects. This arrangement is to facilitate administrative detail and to insure the advantages of a small executive faculty. The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice. The personnel of the teaching staff and the character of the instruction is as follows:

Anatomy

WESLEY M. BALDWIN, M.D., *Professor of Anatomy.*

CHARLES ETHAN ALLEN, A.B., *Instructor in Anatomy.*

THOMAS W. JENKINS, M.D., *Assistant in Anatomy.*

MAVER MILLER LEE, *Assistant in Anatomy.*

This department provides instruction in Histology, Embryology and Gross Anatomy. It co-operates with the departments of Surgery, Medicine and Neurology in the teaching of surgical, topographical and nervous anatomy respectively.

Anatomy. The work in this department is practical and the instruction personal. The various tissues and organs of the human body are studied synchronously, so far as is possible, in the subdivisions of embryology, microscopical anatomy, and gross anatomy in order that the student may acquire a more comprehensive view and better correlated knowledge of the subject. The kinship of human structure to that of the higher vertebrates is pointed out by lecture and demonstration. The morphological features of the cadaver are interpreted upon biological and physiological grounds. Considerations of the various aspects of the mechanics of development leads to the fields of embryological defects, arrests, and monsters. Emphasis is laid upon the relation of the science to surgery and to medicine by the courses in regional and surgical anatomy. The subject

matter of the whole science is approached with the purpose of inquiry and investigation.

The laboratories are equipped for research work along descriptive and experimental lines. Research workers who will give half or the whole of their day will be welcomed and granted every facility.

Gross Anatomy. This subject is taught almost entirely by the dissection of the human cadaver. Demonstrations upon the cadaver, models, and prepared dissections are given when necessary for the purpose of elucidating the more difficult features of the subject as they occur. Dissections of the adult are compared with those of the infant. The work of the dissecting room is further augmented by the study of living models, the purpose being to familiarize the student with the features of the live body as they present themselves to the eye and to the touch, thereby effecting a most essential and practical correlation with the facts gained in the dissecting room. The body is divided into the following parts for dissection:

- I Head and neck.
- II Thorax.
- III Abdomen and pelvis.
- IV Upper extremity.
- V Lower extremity.
- VI Brain and spinal cord.

The required work upon each part comprises (a) a dissection of the part, (b) a practical oral examination upon the completion of the part, (c) a written examination upon the completion of the part.

Special courses consisting of the dissection and study of regions or of parts are open to graduates.

Microscopical Anatomy. Instruction in histology is given by means of lectures, demonstrations, class conferences, and by practical work in the laboratory. The science is approached by the study of the cell and of the elementary tissues. The finer anatomy of the organs of the cadaver is

considered in connection with the study of freshly-autopsied material and the work in the dissecting room. The consideration of living and of fresh and unstained tissues precedes that of fixed and stained specimens. Practical instruction in the fixation, imbedding, cutting, and the vital-staining of tissues is given. Class conferences are held at stated intervals.

Embryology. Instruction in this subject is given by means of lectures, demonstrations upon models, class conferences, and by laboratory work. The lectures cover the various features of mitosis, fertilization, cleavage, gastrulation, and the formation of the germ layers. Later, by coordination with the work in gross anatomy the various phenomena of histogenesis and of organogenesis are considered. Emphasis is laid upon those stages of development at which defects, arrests, and monsters are most likely to occur and interpretations sought in the fields of comparative and of experimental embryology. The laboratory work consists of the study of stained serial sections and of the study of the larger embryological features by means of the binocular microscope. Demonstrations and class conferences are held at stated intervals.

W. M. BALDWIN.

Physiology

MELVIN DRESBACH, M.D., *Professor of Physiology.*

ARTHUR KNUDSON, Ph.D., *Associate Professor of Biological Chemistry.*

JEAN TAIT, A.B., *Instructor in Biological Chemistry.*

—————, *Instructor in Physiology.*

—————, *Assistant in Physiology.*

This department offers instruction in physiology, biological chemistry and pharmacology.

Physiology. The aim of the course is to provide a general survey of the fundamental laws of tissue activity by first hand experience with the methods of studying function, after the student has become familiar with the structure of the body.

Approximately two hundred hours are spent by the student in performing experiments in the laboratory, which is well equipped with modern apparatus recently installed. The course begins with the simpler procedures employed in studying the reactions of the organism to stimuli and in illustrating the graphic method and its applications in observations on isolated tissues and organs. Later, more elaborate experiments on the different systems of the body are performed, especial emphasis being laid upon points related to the medical problems.

The observations made in the laboratory, including the teaching and research departments, together with reading done by the student in his textbook and other sources of information, form the basis for discussions in the classroom. In addition, special features of the subject are brought out in lectures and demonstrations. Emphasis is laid upon the student's own efforts. Thus, in addition to the laboratory and classroom exercises, reviews of current literature are required and essays (at least one by each member) are written, the essays embodying the results of extended reading on special topics. The best of these are read by the authors before the class. The student's knowledge of the entire subject is tested by intimate personal contact with his teachers, by written and oral quizzes and a comprehensive final examination. Three hundred and eighty-four hours are devoted to the course.

The physical side of physiology, as above outlined, is closely correlated with the biochemical and with pharmacology, as described below.

Any student who desires to do so, may engage in research work when it is evident that he is prepared to take up a problem. Every encouragement the department can offer will be given to him.

M. DRESBACH.

Biological Chemistry. The instruction in chemistry is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object aimed at is to impart that fundamental knowledge of

organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology and medicine. The course is divided into two parts, organic and physiological chemistry.

**Organic Chemistry.* This course includes a general survey of the principal classes of organic compounds, such as hydrocarbons, halogen derivatives, alcohols, aldehydes, ketones, carbohydrates, ethers, acids, esters, fats, phenols, heterocyclic compounds, alkaloids, etc. Special attention is given to the compounds that are of particular interest in medicine. Students prepare in the laboratory representatives of the various classes of compounds and study their reactions.

Physiological Chemistry. In this course, the essential chemical facts pertaining to life processes are presented. Subjects studied in detail are: composition and properties of carbohydrates, fats and proteins; chemistry of the cell, muscle, blood, nervous tissue, connective tissues, milk, foods, nutritive processes, normal and pathological urine.

The above work in chemistry is given in the second semester of the *first* year every afternoon except Saturday. Lectures or recitations are given from 2 to 3 p. m. and the laboratory work from 3 to 6 p. m.

The organic chemistry will cover about the first eight weeks and physiological chemistry the last eight weeks of the semester.

For the work in biological chemistry, there are two large laboratories, one equipped for the general student courses, the other for private research or individual work. The laboratory for the general courses is well equipped for this work and has accommodations for fifty students, each student being provided with a separate desk with complete set of apparatus and reagents.

Students, or graduates, properly qualified, may elect special work or can carry on private research. Arrangements may be made with the instructor in charge of the laboratory.

Clinical Chemistry. The work in this course consists of a study of important practical aspects of clinical chemistry and nutrition, supplemented by lectures and outside reading. The

*Beginning in September, 1919, Organic Chemistry will be required for entrance.

course is devoted to qualitative and quantitative clinical examination of urine, gastric contents, blood, milk, and feces. A part of the course consists also in carrying out a series of metabolism experiments in order to impress the important points of normal and abnormal metabolism. The student is thus made familiar with procedures which have an important practical application. The course is given four hours per week during the second half of the second year.

ARTHUR KNUDSON.

Pharmacology. In this course, instruction is given by lectures, recitations, demonstrations and laboratory work. The work covers pharmacy and materia medica in which the student has an opportunity of learning the physical and chemical properties of the most important drugs; a few exercises in pharmaceutical compounding and in prescription writing and incompatibilities are included. The major part of the course covers experimental work illustrating the physiological action of a number of drugs.

Pharmacy. Lectures and recitations, one hour a week; laboratory, two hours a week.

Pharmacodynamics. Lectures and recitations, three hours a week, laboratory, four hours a week.

These courses are given during the second half of the *second* year.

MELVIN DRESBACH.

ARTHUR KNUDSON.

Pathology

GEORGE S. GRAHAM, M.D., *Professor of Pathology.*

LAWRENCE J. EARLY, M.D., *Instructor in Pathology.*

LUCY E. BOURN, Ph.B., *Instructor in Bacteriology.*

ANTON S. SCHNEIDER, B.S., M.A., *Assistant in Pathology.*

This department provides instruction in pathology, bacteriology, parasitology and certain phases of legal medicine.

The work in pathology and bacteriology is preceded by a brief explanatory talk, or followed by a lecture intended to correlate the various observations made during the day. The student is taught laboratory methods and the elementary principles of

investigation. The material received daily is also used in the teaching and the student thus becomes familiar with laboratory routine.

A small museum of gross pathological material is available and is constantly being augmented. It contains examples of the more common lesions such as the student must become intimately acquainted with and also rare specimens of immediate teaching value. For the microscopic study of tissue changes each student will be provided with a loan collection of carefully prepared slides.

The autopsies performed during the course are viewed by small groups of men and the material carefully studied in gross and microscopically. After some progress has been made, protocols of actual autopsies are read and discussed by the class in conference. So far as available cases will allow, each member of the class will be given opportunity for practical post-mortem work and will become responsible for a full report on the gross and microscopic findings in the case assigned to him.

GEORGE S. GRAHAM.

Medicine

HERMON C. GORDINIER, M.D., *Professor of Medicine.*

THOMAS ORDWAY, M.D., *Associate Professor of Medicine.*

ANDREW MACFARLANE, M.D., *Clinical Professor of Medicine.*

J. MONTGOMERY MOSHER, M.D., *Clinical Professor of Mental Diseases.*

ARTHUR SAUTTER, M.D., *Clinical Professor of Dermatology and Contagious Diseases.*

HENRY L. K. SHAW, M.D., *Clinical Professor of Pediatrics.*

EDWARD W. BECKER, M.D., *Instructor in Medicine.*

ARTHUR S. BEDELL, A.B., *Instructor in Public Health.*

HARRY W. CAREY, M.D., *Instructor in Medicine.*

FREDERIC C. CONWAY, M.D., *Instructor in Medicine.*

ERASTUS CORNING, M.D., *Instructor in Medicine.*

MALCOLM DOUGLAS, M.D., *Instructor in Medicine.*

NELSON K. FROMM, M.D., *Instructor in Medicine.*

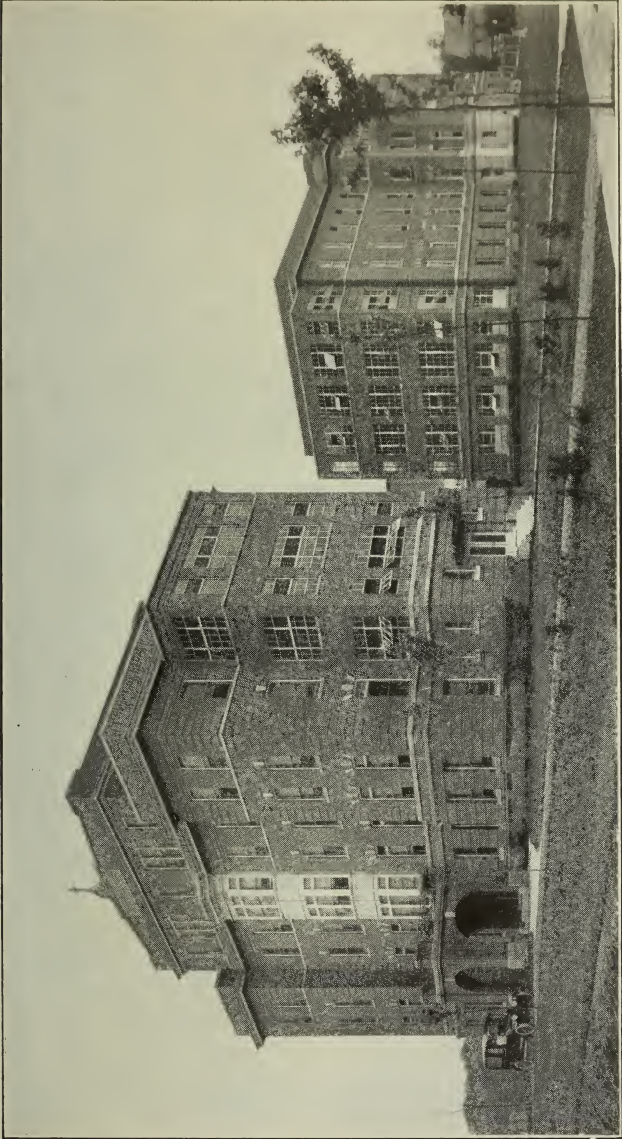
L. WHITTINGTON GORHAM, M.D., *Instructor in Medicine.*

- CLARENCE F. GRAHAM, M.D., *Instructor in Medicine.*
CLINTON B. HAWN, M.D., *Instructor in Medicine.*
WILLIAM KIRK, M.D., *Instructor in Medicine.*
SCHUYLER M. MARTIN, M.D., *Instructor in Medicine.*
CLINTON P. MCCORD, M.D., *Instructor in Educational Hygiene.*
JOSEPH P. O'BRIEN, M.D., *Instructor in Medicine.*
FRANK VANDER BOGERT, M.D., *Instructor in Pediatrics.*
JOSEPH A. LANAHAN, M.D., *Instructor in Dermatology.*
CHARLES K. WINNE, JR., M.D., *Instructor in Medicine.*
ARTHUR BENSON, M.D., *Assistant in Clinical Pathology.*
LEROY S. BLATNER, D.D.S., *Assistant in Gastro-enteric Diseases*
(oral pathology).
OTTO A. FAUST, M.D., *Assistant in Medicine.*
JOHN L. HEMSTEAD, M.D., *Assistant in Medicine.*
RICHARD A. LAWRENCE, M.D., *Assistant in Pediatrics.*
DANIEL V. O'LEARY, M.D., *Assistant in Pediatrics.*
FRANK J. WILLIAMS, M.D., *Assistant in Pediatrics.*
FREDA CLISSOLD, *Laboratory Assistant in Clinical Pathology.*
GENEVIEVE YENZ, *Clerical Assistant in Medicine.*

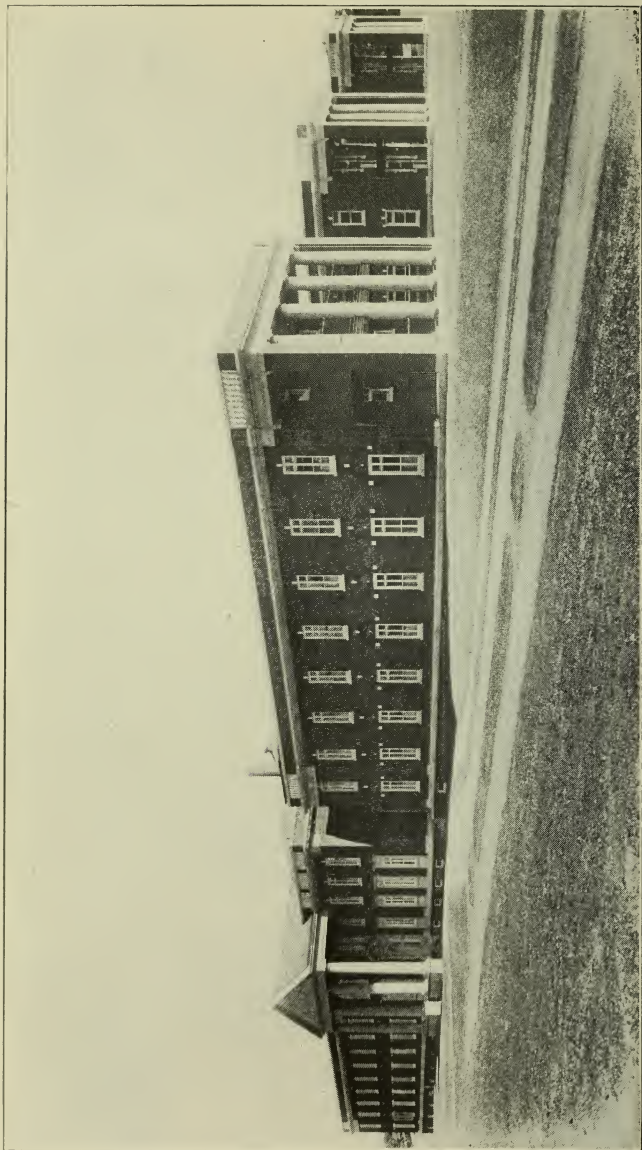
This department provides instruction in internal medicine, physical diagnosis, pediatrics, dermatology, contagious, mental and gastro-enteric diseases, clinical pathology and public health.

Physical Diagnosis. The course in physical diagnosis, including history taking, is given to small groups in the latter half of the *second* year followed by an intensive review early in the *third* year and continued during the entire year in the form of dispensary work, four three-hour periods a week supplemented by one period a week used as a lecture hour, quizz hour or demonstration clinic.

In the *second* year, the work is on selected material found in the Frances Elliott Austin Infant's Home, the Albany Orphan Asylum and the Albany Hospital Tuberculosis ward, and dispensaries, while the *third* year instruction is carried out in the dispensaries of the Albany Hospital and St. Peter's Hospital, the Alms House Hospital and St. Margaret's House. In this way it is believed that the student will acquire, first a knowledge of the normal, and later have abundant opportunity to study abnor-



THE ANTHONY N. BRADY MATERNITY HOME



THE SAMARITAN HOSPITAL, TROY

mal physical signs as such, as well as their combinations occurring in various diseases, thus preparing him for intensive study of medicine in clinical bed-side sections in the *fourth* year.

Doctors Faust, Fromm, Gorham, Graham, Lawrence, Hemstead and Winne are in immediate charge of the section work.

OTTO A. FAUST.

NELSON K. FROMM.

Internal Medicine. Instruction in internal medicine will be given in the *third* and *fourth* years. In the *third* year the student is engaged in practical individual work in the general dispensaries acting as assistant in caring for out patients.

Systematic didactic and clinical lectures in medicine are given during the *third* and *fourth* years as a basis for correlating and amplifying the information gained in the clinics and at the bed-side. In the *fourth* year the students serve as assistants in the medical wards. Here they have bed-side instruction in small groups, and responsibility under supervision.

In the *third* year didactic or clinical lectures are given by Drs. Gordinier, Ordway, MacFarlane, Corning and Douglas. Special lectures on therapeutics are given once a week during the last half of the year.

In the *fourth* year, students are required to take at least three months medicine (4 hours a day) as assistants in the wards of the Samaritan Hospital, St. Peter's Hospital, the Albany Hospital and its Tuberculosis Department under the direction of Drs. Gordinier, MacFarlane, Ordway, Corning and Douglas respectively. In the *fourth* year there will be clinics by Dr. Gordinier, clinical or didactic lectures by Drs. Ordway, and Mac Farlane.

H. C. GORDINIER.

Pediatrics. The course of study in children's diseases will consist of didactic lectures; study of clinical cases in small groups; laboratory work; examination of milk, stools, etc.; study of case histories; recitations and practical work in connection with the infant welfare station.

During the senior year elective work in the care and feeding of infants can be taken at St. Margaret's House and Hospital where laboratory facilities give opportunity for special research work.

The cities of Albany, Troy, and Schenectady offer numerous opportunities for students for the study of diseases of children and infants, and also facilities to observe the medical inspection of school children and the operation of infant welfare stations.

The Child's Hospital, St. Margaret's House and Hospital for Infants, the Childrens' Ward of the Albany Hospital and Ellis Hospital, the Francis Elliott Austin Infants' Home and the dispensaries of the Albany Hospital, and the South End Dispensary, afford abundant clinical material for the student.

The Albany Orphan Asylum, St. Vincent's Orphan Asylum and the Troy Orphan Asylum permit students from the Albany Medical College free access to study the diseases of children.

HENRY L. K. SHAW.

Educational Hygiene. This very recently developed branch of medicine includes a consideration of the organization, scope and methods of school medical inspection, health education, physical training, the sociology and psychology of mental deficiency and delinquency as confronted in the public schools, nutritional problems amongst school children, school nursing, control of contagious diseases in the schools, the operation of school dental dispensaries and the development of systems of records in the administration of the above lines of health activity.

CLINTON P. McCORD.

Dermatology and Contagious Diseases. In the *third* year clinics and clinical lectures will be given two hours a week by Dr. Southwell and in the *fourth* year section work will be given to groups of students three hours each week by Drs. Sautter and Lanahan. In the *fourth* year one hour a week will be devoted to a quiz by Dr. Lanahan.

Didactic lectures in contagious diseases will be given for the most part in the course in pediatrics. For the practical individual instruction in contagious diseases students will be taught in small sections during the *third* and *fourth* years, in which they will receive bed-side instruction in the contagious department of the Albany Hospital by Drs. Sautter and Winne, and the contagious department of the Samaritan Hospital by Dr. Gordinier.

ARTHUR SAUTTER.

Mental Diseases. Instruction is given to the *senior* class divided into sections. Students report upon the wards at half-past two o'clock Mondays during the term, and in groups of two or three, are assigned individual cases for examination. At half-past three the section meets the instructor and the reports are discussed and criticized. A syllabus in the form of a notebook with short psychological introduction is used as a guide. Opportunity is given to observe the progress of different cases from week to week.

This plan of instruction was adopted upon the opening of Pavilion F in 1902 and is thought to be the first instance in this country of systematized bed-side teaching of mental diseases for undergraduate students.

J. M. MOSHER.

Clinical Pathology. In this course a systematic study of the methods for examination of urine, blood, sputum, stomach contents, stool and body fluids is undertaken. Instruction is given by means of work in the laboratory supplemented by brief lectures and outside reading. Emphasis is laid upon the training of students in the practical and personal application of laboratory diagnostic methods.

Each student is provided with a microscope, locker, blood counting apparatus, reagents, etc.

OTTO A. FAUST.

Public Health. Three courses of lectures, demonstrations and practical laboratory and field work will be given during the second semester. These courses are all open to physicians and health officers and certain of the lectures and demonstrations are open to the public. The courses are given under the direction of Dr. Augustus B. Wadsworth, Director of the Division of Laboratories and Research of the State Department of Health. Any requests for information concerning the course should be sent to 278 Yates Street, Albany, N. Y.

I. Laboratory Course in Public Health.

A full course including lectures, demonstrations, and practical laboratory and field work is open to students of the fourth year in medicine, and physicians and health officers. This course fulfills all the requirements prescribed July 6th, 1915, by the Public Health Council of the State of New York.

Lectures and demonstrations.—A. B. Wadsworth, M.D.; J. S. Lawrence, M.D.; L. M. Wachter; Mary B. Kirkbride; Instructor, Arthur S. Bedell, B.A.

Subjects of the courses are as follows:

Sanitary Analysis of Air, Soil, Water, Sewage, Milk, and Food Stuffs; Sterilization and Disinfection; Garbage Disposal, Nuisances, Plumbing.

The Preventive and Curative Measures of Practical Value in Public Health; Infection and Immunity; Specific Diagnosis; Vaccine and Serum Therapy.

The Infectious and Communicable Diseases; Control of Epidemics; Detection of Carriers; Vital Statistics.

Practical Field Work; Military Hygiene and Sanitary Survey.

Requirements. The student is required to complete the reading assignment in the text book, Preventive Medicine and Hygiene, Rosenau, Ed. 1917, and Pathogenic Microorganisms, Park & Williams, Ed. 1917. Attendance is also required at the lectures and demonstrations and the laboratory work in each subject. Candidates for the full certificate are required to complete satisfactorily the practical laboratory assignments that follow the lectures and demonstrations and the sanitary survey of the district assigned. Physicians and health officers are assigned to their own districts for the practical field work or sanitary survey.

II. Correspondence Course in Public Health.

A correspondence course including reading assignments in the text book on Preventive Medicine and Hygiene by M. J. Rosenau, Ed. 1917, together with written examinations is offered physicians and health officers. This course does not require residence except to meet the minimum requirements prescribed July 6, 1915, by the Public Health Council of New York State, namely, 15 lectures on infection, immunity, serum diagnosis and therapy and the infectious and communicable diseases which are given in the full course (1).* The practical field work or sanitary survey is assigned to the home districts.

*When a sufficient number of students have registered for the correspondence course and qualify for the practical work to warrant it, a residence session of one week with daily morning and afternoon exercises in the practical phases of the subject will be held in order to fulfil the minimum requirements prescribed July 6, 1915, by the Public Health Council of the State of New York.

Requirements. The satisfactory completion of the reading assignments and the practical field and laboratory work as determined by the written or oral reports and examinations.

The text books to be used are: *Rosenau*, Preventive Medicine & Hygiene, Ed. 1917.

In addition the following books are recommended: Park & Williams, Pathogenic Microorganisms, N. Y. Ed. 6, 1917; McNutt, J. S., Manual for Health Officers, N. Y., 1915; Chapin, Sources and Modes of Infection; Knopf, Tuberculosis.

Fees. The fee for the complete laboratory course, I, or for the correspondence course, II, including registration, is \$40.00. This fee is reduced to \$25.00 for health officers receiving a yearly salary of not more than \$200.00. The fee for the lectures and demonstrations of courses I and II alone is \$10.00.

III. Lecture Course in Public Health.

A course of lectures in public health and preventive medicine has been made possible by the cooperation of representatives of other universities, of officials of the State Department of Health, the New York City Department of Health, and Albany and Rochester City Departments of Health. All the lectures are open to the public without charge.

During 1918 the following lectures were given on Wednesdays, at 5:00 P. M.:

Feb. 13—“Purification of Public Water Supplies.” Mr. Theodore Horton, C.E., Director, Division of Sanitary Engineering, New York State Department of Health.

Feb. 20—“Sewage Disposal.” Mr. Theodore Horton, C.E.

Feb. 27—Professor Graham Lusk, of Cornell University Medical College, was scheduled to lecture on “The Food Requirements of Man,” but was sent abroad to represent the Federal Food Administration.

Mch. 6—“The Administration of Antitoxin.” Dr. Wm. H. Park, Director, Research Laboratory, Department of Health, New York City.

- Mch. 13 — "Garbage Disposal." Mr. Theodore Horton, C.E.
- Mch. 20 — "The Principles of Sanitary Plumbing and Drainage of Buildings." Mr. C. A. Holmquist, Division of Sanitary Engineering, New York State Department of Health.
- Mch. 27 — "Epidemiology in Carriers." Dr. Edward Godfrey, Jr., Epidemiologist, New York State Department of Health.
- Apr. 3 — "The Venereal Diseases in Public Health." Dr. J. Roby, Acting Health Officer, City of Rochester, N. Y.
- Apr. 10 — "Cancer." Dr. James Ewing, Professor of Pathology, Cornell University Medical College.
- Apr. 17 — "The Exanthemata." Dr. Matthias Nicoll, Jr., Deputy Commissioner, New York State Department of Health.
- Apr. 24 — "Morbidity Reports and Vital Statistics." Dr. Wm. H. Guilfooy, Registrar of Records, Department of Health, New York City.
- May 1 — "War Laboratories." Dr. Jos. S. Lawrence, Bacteriologist-Pathologist, Division of Laboratories and Research, New York State Department of Health.
- May 8 — "Infant Mortality." Dr. John Lovett Morse, Professor of Pediatrics, Harvard Medical School.
- May 15 — "The Disinfection of Water." Mr. G. E. Willcomb, Chemist, Bureau of Water, Albany.
- May 22 — "City Health Administration, Nuisances, and Communicable Diseases." Dr. Arthur Sautter, Health Officer, City of Albany, N. Y.
- May 29 — "Problems of Public Health and Preventive Medicine." Dr. A. B. Wadsworth, Director, Division of Laboratories and Research, New York State Department of Health.

A. B. WADSWORTH.

Surgery

- ARTHUR W. ELTING, M.D., *Professor of Surgery.*
- ARTHUR J. BEDELL, M.D., *Clinical Professor of Ophthalmology and Otology.*
- JOHN M. BERRY, M.D., *Clinical Professor of Orthopedics and Roentgenology.*
- J. LEWI DONHAUSER, M.D., *Clinical Professor of Surgery.*
- JOHN B. HARVIE, M.D., *Clinical Professor of Surgery.*
- CLEMENT F. THEISEN, M.D., *Clinical Professor of Laryngology and Rhinology.*
- JAMES N. VANDER VEER, M.D., *Clinical Professor of Genito-Urinary Surgery.*
- GEORGE E. BEILBY, M.D., *Instructor in Surgery.*
- JOSEPH A. COX, M.D., *Instructor in Surgery.*
- EDWIN L. DRAPER, M.D., *Instructor in Surgery.*
- PETER L. HARVIE, M.D., *Instructor in Surgery.*
- EUGENE E. HINMAN, M.D., *Instructor in Laryngology and Rhinology.*
- CHARLES H. MOORE, M.D., *Instructor in Ophthalmology and Otology.*
- ARTHUR SAUTTER, M.D., *Instructor in Venereal Diseases.*
- JOHN F. SOUTHWELL, M.D., *Instructor in Genito-Urinary Surgery and Surgical Pathology.*
- ARTHUR H. STEIN, M.D., *Instructor in Surgery.*
- JOHN E. HESLIN, M.D., *Assistant in Genito-Urinary Surgery.*
- H. AUSTIN VOGEL, M.D., *Assistant in Orthopedics and Roentgenology.*
- WILLIAM G. KEENS, M.D., *Assistant in Laryngology and Rhinology.*
- JOHN P. O'KEEFFE, M.D., *Assistant in Laryngology and Rhinology.*

This department provides instruction in surgery, surgical pathology, orthopedics, roentgenology, genito-urinary surgery, ophthalmology, otology and diseases of the nose and throat.

Surgery. In the second half of the *second* year instruction in surgical technic one hour a week will be given by Dr. Draper. In the *third* year instruction in surgical pathology three hours a week will be given by Drs. Beilby and Southwell; and surgical diagnosis two hours a week by Dr. Donhauser, section work in the surgical dispensary at the South End Dispensary by Drs. Beilby and Draper. Recitations in Surgery will be conducted by Dr. Stein one hour a week.

In the *fourth* year Dr. Elting will supervise the bed-side teaching in which the senior students, in small groups, will serve as assistants in the wards of the Albany Hospital where he will be assisted by Drs. Draper and Stein. Dr. Eiting will hold two surgical clinics a week. Dr. John B. Harvie will take charge of teaching in a similar way in the Samaritan Hospital assisted by Dr. Peter L. Harvie. Recitations in surgery will be conducted by Dr. Draper one hour a week.

ARTHUR W. ELTING.

Surgical Anatomy. The course in surgical anatomy given in the second half of the *Second* year consists of a series of demonstrations, lectures and quizzes to round out the course in anatomy just completed and to illustrate the practical application of anatomy to everyday problems in surgery and medicine. The college is fortunate in having a large collection of museum specimens and these, together with dissections and correlary demonstrations on a living subject, aim to give a comprehensive idea of pathological processes of the human organism, the topographical anatomy for diagnosis and surgical routes for treatment.

ARTHUR H. STEIN.

Surgical Pathology. Surgical Pathology will be taught three consecutive hours a week throughout the *third* year. One hour is to be devoted to lectures and two hours to microscopic and macroscopic demonstrations of surgical specimens and of other pathologic material available at the time. The essentials of histology and pathology and their relation to surgery will be dis-

cussed before starting on general and special surgical pathology. Stress will be laid on the clinical symptoms as derived from pathologic lesions.

GEORGE E. BEILBY.

Surgical Diagnosis. Two hours a week throughout the *third* year is given over to surgical diagnosis. The course is divided in such a manner as to devote part of the time to accurate history taking and the other portion to intensive differential surgical diagnosis. A note book has been especially provided for the course and is used throughout as a guide for both clinical and case teaching.

ARTHUR H. STEIN.

Surgical Technique and Minor Surgery. The course in surgical technic and minor surgery consists as far as possible of practical demonstrations, preceded by a brief synopsis of the development of modern surgical technic.

The following subjects are included in the course: Preparation of patient and operator for surgical operations; methods of preparation and sterilization of gauze in the various forms in which it is used; preparation of suture and ligature material and the indications for their use; demonstration of instruments, their uses, care and sterilization; drainage in its various forms and its indications; preparation of poultices and fomentations; methods and appliances used in the post-operative care of patients, such as dressing of wounds, feeding appliances, stomach and rectal tubes, catheters, transfusion, application of heat and cold, and use of the Esmarck bandage and the tourniquet.

Practical work is required of each student in the application of various types of bandages and splints.

JOHN A. SAMPSON.

Orthopedics and Roentgenology. The courses in Orthopedics will be given at the Medical College building and in the wards of the Albany Hospital and The Child's Hospital. The Albany Hospital and The Child's Hospital are equipped to care for orthopedic cases of all kinds and in connection with The

Child's Hospital there is a corrective room in charge of a competent instructor. The clinical material includes all classes of orthopedic cases. In the *third* year orthopedics will be taught by means of clinical lectures and lantern slide demonstrations. In the *fourth* year the students are divided into sections and in the wards of the Albany Hospital and The Child's Hospital are given an opportunity to see and examine all cases and note the treatment given.

For the course in Roentgenology the Albany Medical College will have at its disposal the Roentgen Ray Department of the Albany Hospital and of The Child's Hospital. The equipment of these departments is excellent; it includes the apparatus for the use of gas and Coolidge X-Ray tubes, stereoscope, stereoscopic tube stand, stereoscopic abdominal and thoracic apparatus both horizontal and vertical, horizontal and vertical roentgenscopic apparatus, a general localizer and a localizer for foreign bodies in the eye. The clinical material of the departments is extensive and varied. The work at present averages about 8000 roentgenographic and roentgenscopic examinations a year. The value of the Roentgen Ray as an aid to diagnosis in the various branches of medicine and surgery will be considered in a series of lectures and demonstrations and a special study of X-Ray plates as related to Orthopedic Surgery will be made throughout the year.

JOHN M. BERRY.

Genito-Urinary Surgery. In the *third* year didactic lectures (one hour per week) throughout the college year aim to inculcate in the minds of the students the salient features of the usual diseases met with, so that the student is fitted to pursue the work of the next year in an intelligent manner. These lectures are illustrated and there is an occasional lantern slide demonstration in the nature of a review. In the *fourth* year teaching is entirely by sections of four to eight men; the students have practical individual experience in the treatment of cases.

The Albany Hospital, through its Genito-Urinary Department

and the South End Dispensary branch, offers ample clinical material for teaching.

A special class will be formed for those who wish to pursue advanced study, and will consist of ten lessons of one hour each.

JAMES N. VANDER VEER.

Ophthalmology and Otology. A one hour lecture will be delivered every week for the first half of the *third* year in ophthalmology and the latter half in otology. The didactic work will be illustrated by lantern slides and cadaver operations.

The *third year* class will be divided into sections for the practical understanding of the commoner diseases of the eye and ear. Each student will be required to spend at least twenty hours in each clinic. Cases illustrating the routine method of examination for both eye and ear diseases will be presented. Special emphasis will be laid upon the external diseases of the eye, the method of using the ophthalmoscope and its practical application, operations, and the relationship between ophthalmology and general diseases. The student will examine the patients and must pass a theoretical and practical examination.

They will be taught the method of examination and treatment of the common ear diseases. This instruction will be supplemented by operations and internal ear lesions demonstrations.

The course will be so arranged that each student will have an opportunity to become thoroughly familiar with routine examination and the ordinary diseases of the parts studied.

The Albany Hospital, Albany Hospital Dispensary, South End Dispensary, County Hospital, Albany Orphan Asylum and Old Ladies Home afford abundant opportunity for extended observations.

ARTHUR J. BEDELL.

Laryngology and Rhinology. The *fourth* year class will be divided into sections (six to eight men) for practical work in diseases of the nose and throat. Students will be taught methods of examination and diagnosis. Clinical material at St. Peter's Hospital, Albany Hospital, Child's Hospital, South End Dispensary and Elliot Austin Hospital will be available for this

purpose. The course for the *fourth* year class will be given by Drs. Theisen and O'Keeffe.

The *third* year class will be divided into sections for practical work in diseases of the nose and throat and one didactic lecture will be given every week at the College. Dr. Hinman will have charge of the work for the *third* year class. There will be practical work at the Albany Hospital and at the South End Dispensary.

C. F. THEISEN.

Neurology

LASALLE ARCHAMBAULT, M.D., *Professor of Neurology.*

NELSON K. FROMM, M.D., *Instructor in Neurology.*

WILLIAM KIRK, M.D., *Instructor in Anatomy of the Nervous System.*

This department provides instruction in neurology, neuropathology and the anatomy of the nervous system.

Work in this department really commences in the *first* year, during which the student is taught the embryology of the nervous system and acquires a preliminary acquaintance with the gross morphology of the brain and spinal cord as well as with the histology of the nerve elements and the simpler divisions of the central and peripheral nervous organs. During the *second* year an illustrated didactic lecture is given each week by Dr. Kirk on the anatomy and physiology of the nervous system, and in addition a weekly laboratory exercise of three hours is devoted to the gross and microscopic study of the normal and pathological anatomy of the nervous system. In this laboratory course the student receives sections of the different levels of the cerebro-spinal axis from the cauda equina to the basal ganglia as well as typical sections illustrating practically all the known diseases of the brain and spinal cord. At stated intervals recitations are held on the more important topics covered in the lectures and demonstrations. During the *third* and *fourth* years the students attend one didactic and one clinical lecture and one

recitation on diseases of the nervous system each week. The recitations are conducted by Dr. Fromm. Instruction in neurology is given to both classes at the same time, the subject matter being so divided that diseases of the brain are covered one year and diseases of the spinal cord and peripheral nerves the following year. Particular attention is given to the neurological clinics at which each patient is presented by two students of the senior class to whom the case has previously been assigned for examination and diagnosis. The method of history taking and examination, the reported findings and the postulated diagnosis are criticised, and considerations bearing upon pathogeny, differential diagnosis and therapeutic indications are discussed at length. When suitable cases are available, lumbar puncture, differential electrical tests, experimental induction of vertigo and nystagmus, etc., are performed before the class. Cases for neurological clinics are always easily obtained either from the general medical service and out-patient department of the Albany City Hospital and the Child's Hospital, or from the Alms House and County Hospital. Occasionally, a clinic hour is utilized for a lantern slide demonstration of neurological conditions not encountered in the usual clinical display, there being for this purpose an exceptionally varied and interesting collection of pictures derived from the leading neurological clinics of Europe. In addition the students of the *fourth* year class, divided into small groups, have the opportunity on certain days of seeing and examining patients in the various dispensaries and of learning the technique of electro-diagnosis and electro-therapy.

LA SALLE ARCHAMBAULT.

Gynecology

JOHN A. SAMPSON, M.D., *Professor of Gynecology.*

PAUL T. HARPER, M.D., *Clinical Professor of Obstetrics.*

ROLAND G. HOLT, M.D., *Instructor in Obstetrics.*

TIFFANY LAWYER, M.D., *Instructor in Gynecology.*

DAVID J. HERLIHY, M.D., *Assistant in Obstetrics.*

(Resident Obstetrician Brady Maternity Hospital.)

DARWIN A. BRUCE, M.D., *Assistant in Obstetrics.*

WAKEMAN C. EGERTON, M.D., *Assistant in Obstetrics.*

This department provides instruction in gynecology and obstetrics.

Gynecology. Gynecology is treated by a course of classroom studies in which the various normal and abnormal conditions of the pelvic organs are presented to the students in the form of illustrated problems which they are asked to solve. The solution of these problems is supplemented by additional information necessary to complete the subject under discussion. This exercise is held once a week throughout the *junior* and *senior* years. Practical instruction is given to the *senior* class (in small groups) at the South End Dispensary and Albany Hospital.

JOHN A. SAMPSON.

Obstetrics. Material for instruction is furnished by the Anthony N. Brady Maternity Home, the Albany Hospital and the Albany Guild for Public Health Nursing.

The new Anthony N. Brady Maternity Home maintains a public ward service of twelve beds, a public obstetric dispensary, centrally located, and a motor ambulance. Practical instruction will be given by the Clinical Professor of Obstetrics who is Attending Obstetrician to the Home and by the Assistant in Obstetrics who is its Resident Obstetrician.

The material offered by the Albany Hospital in its maternity ward of seven beds will be utilized as available. The Special Obstetric Department of the Albany Guild for Public Health Nursing, under the direction of the obstetric department of the college, offers opportunity for the care of cases in their homes.

The aim of the department is to assure the student a firm foundation in obstetric principles and offer intensive instruction upon a relatively limited number of patients.

Second Year: Two recitations each week, second half of year.

Dr. HOLT.

Third Year: One lecture each week, throughout the year.

Dr. HARPER.

Fourth Year: One conference each week, first half of year.

Dr. HARPER.

Residence at the Anthony N. Brady Maternity Home as "temporary interne" under the immediate instruction of Dr. Herlihy; two weeks .

Out-patient service under the immediate supervision of Drs. Bruce and Egerton.

PAUL T. HARPER.

The following is a tentative schedule of exercises for 1918-1919, and corrected cards will be issued at the opening of the session. The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without notice.

FIRST YEAR (FIRST HALF-YEAR)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9						Gross Anatomy.
10	Microscopic Anatomy and Embryology.					
11						
12	Lectures and Demonstrations.					
2						
3	Gross Anatomy.					
4						
5						

FIRST YEAR (SECOND HALF-YEAR)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9						
10	Physiology.					
11						
12						
2	Lectures and Conferences.					
3						
4	Biological Chemistry.					
5						

SECOND YEAR (FIRST HALF-YEAR)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Pathology.	Anatomy of the Nervous System		Pathology		Anatomy
10						
11						
12						
2	Bacteriology and Parasitology					
3						
4						
5						

SECOND YEAR (SECOND HALF-YEAR)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Pharmacology.	Pathology of the Nervous System	Pharmacology	Pharmacology.	Pharmacology.	Clinical Chemistry
10	Physical Diagnosis.		Pharmacology Laboratory.	Physical Diagnosis.	Physical Diagnosis.	
11				Anatomy		
12				Surgical Technic		
2	Clinical Pathology	Anatomy.	Pharmacology Laboratory.	Anatomy.	Clinical Pathology.	
3						
4						
5		Obstetrics. (R).	Neuro-Pathology. (L).	Obstetrics. (R)		

THIRD YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology (L).	Eye and Ear (L).	Obstetrics (L).	Medicine (L).	Medicine (L).	Medicine (L).
10	Dispensary.		Medicine (C).	Surgical Pathology.	Dispensary.	
11						
12			Surgery (C).			
*2				Neurology (R).		
3	Orthopedics (L).	Therapeutics	Pediatrics (L).	Dermatology (Q).	Surgical Diagnosis	
4	Surgery (Q).	X Ray	Gynecology (L).	Nose and Throat.		
5				Neurology (C).		

*The 2 to 3 hour may be utilized for regular exercises; if so, due notice will be given.

FOURTH YEAR

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Neurology (L).	Clinical Sections.	Clinical Sections	Clinical Sections.	Clinical Sections.	Pediatrics (L)
10	Clinical Sections.		Medicine (C).			Pediatrics (C)
11			Surgery (C).			Surgery (C).
12						
2				Neurology (R).		
3	Clinical Sections.	Medicine and Surgery Troy-Clinic	Public Health.	Dermatology (Q).	Medicine and Surgery Troy-Clinic	Public Health (Special assignment in war work)
4				Surgery (Q).		
5	Gynecology.			Neurology (C).		

See bulletin board each week for assignment of sections.

STUDENTS 1917-1918

Fourth Year

Name	Residence
Charles Pahl Archambeault.....	Brooklyn
Clarence Walter Barth	Schaghticoke
Edward Buckley Campbell, A.B.....	Cohoes
Hubert Francis Carroll.....	Indian Lake
Albert Henry Faber, Jr.....	Canandaigua
Charles Willard Green	Schenectady
Charles James Higley.....	North Adams, Mass.
Patrick Henry Huntington.....	Fort Edward
Milton Jacobson	Troy
Gerald Reid Jameison.....	Albany
Gerald Herbert Porter.....	Brattleboro, Vt.
Donald Dean Prentice	Pittsfield, Mass.
George Edward Smith.....	Troy

Third Year

Romeyn Treadwell Allen.....	Schenectady
Lawrence James Dailey, Jr.....	Gloversville
Jacob Epstein	Poughkeepsie
Joseph O'Connor Kiernan.....	Albany
George Nelson Leonard.....	Albany
Alfred Lawrence Madden.....	Troy
Alexander Mason	Gloversville
William Francis McDermott.....	Waterford
Lloyd Edward Miller.....	Warsaw
Webster Merchant Moriarta.....	Saratoga Springs
John Joseph Phelan, Jr.....	Albany
Alexander William Pietraszewski.....	Schenectady
Edson Hun Steele.....	Mongaup Valley

Second Year

Douglas Anderson Calhoun	Watervliet
Bernard Roger Coleman	Green Island
Joseph Cornell	Scotia
Percy Lawrence De Noyelles.....	Jersey City, N. J.

Name	Residence
Alfred Herman Duerschner	Troy
*Carl Charles Giannotti.....	New Haven, Conn.
George Otis Gilman.....	Ballston Spa
William Lawrence Gould	Albany
Lawrence Daniel Greene	Petersburg
Leland Earl Hinsie	Schenectady
John Albert Kelk	Cairo
Fred Burton MacNaughton	Troy
Mary Arion Marcus.....	Albany
Harold Edwin Marden, A.B.	Troy
Thomas Sylvester Mooney	Cohoes
Thomas William Phelan	Troy
Walter Fred Preusser	Albany
William George Richtmyer	Albany
Anton Schwarz Schneider, B.S., M.A.....	Albany
Homer L. Stephens	Gardiner
Reginald Van Woert	Athens
Asher Yaguda	Albany

First Year

Garvie Adelson	Pittsfield, Mass.
Charles Ethan Allen, A.B.....	Orleans, Ind.
Ernest Benjamin Bell	Albany
L. Prescott Brown	Mt. Kisco
Harold Roberts Browne	Cobleskill
Joseph Armond Bruschi	Troy
Arthur Francis Cody	Schenectady
Eugene Louis Connolly	Troy
Mario Joseph Cuoco	Troy
Edward Joseph Fitzgerald	Glens Falls
William Francis Garrity	Pittsfield, Mass.
Donald Briggs Glezen	Lisle
Harold Jerome Harris	Albany

* Special student.

Name	Residence
Lynden Andrew Hulbert	Middleburg
John Paul Jaffarian	Troy
William John Jameson	Schenectady
Edwin Charles Johnson	Schenectady
Joseph Paul Lasko	Schenectady
Maver Miller Lee	Schenectady
Walter Francis Lucey	Carman
William Mitchell Mallia	Schenectady
Jere John McEvelly	Johnstown
John Joseph Quinlan	Watervliet
Charles Fayette Rourke	Holyoke, Mass.
Hyman J. Sacharaff	Schenectady
Thomas James Shields	Mechanicville
Francis Leathem Skau	Troy
Lyle Adin Sutton	Prattsville
Arthur Charles Swartz	Albany
John Arthur Taylor	Schenectady
William McCheyne Thomson	Delhi
Charles Edward Wiedenman, Jr.....	Schenectady
Arthur Raymond Wilsey	Greenfield Center

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Investigation and Special Instruction

Opportunity for elective work and research is offered to those who are deemed qualified by those in charge of the various courses after conference with the heads of their respective departments. For graduate and summer courses and other special instruction, application should be made to the Dean.

Course for Health Officers

Two courses of lectures, demonstrations, and practical laboratory and field work will be given for physicians and health officers. These courses meet the requirements prescribed July 6, 1915, by the Public Health Council, providing that health officers shall complete a course of at least six weeks including practical laboratory and field work with lectures and reading, at an educational institution, with examinations and certificate.

I. Laboratory Course in Public Health.

Sanitary Analysis of Air, Soil, Water, Sewage, Milk, and Food Stuffs; Sterilization and Disinfection; Garbage Disposal, Nuisances, Plumbing.

The Preventive and Curative Measures of Practical Value in Public Health; Infection and Immunity; Specific Diagnosis; Vaccine and Serum Therapy.

The Infectious and Communicable Diseases; Control of Epidemics; Detection of Carriers; Vital Statistics.

Practical Field Work; Military Hygiene and Sanitary Survey.

II. Correspondence Course in Public Health.

For requirements, registration, fee, etc., see page 52.

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