1923

University of Vermont, College of Medicine Bulletin

University of Vermont

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The University of Vermont
and
State Agricultural College

The College of Medicine Number

Published by the University of Vermont and State Agricultural College, Burlington, Vermont, eight times a year; in October, November, December, January, February, March, April and May, and entered as second-class matter June 6, 1907, under Act of Congress of July 16, 1894.
Examinations for Advancement in Course and for Advanced Standing .................................. September 14, 15, and 17
Opening Address........................................ Wednesday, September 19, 10:00 a.m.
Regular Exercises begin................................. Friday, September 21
Registration ends.......................................... Saturday, September 29
Thanksgiving Recess, Wednesday, November 21, 10:20 a.m., to Friday, November 23, 2:00 p.m.
Christmas Recess, Friday, December 21, 1923, 7:30 a.m., to Wednesday, January 2, 1924, 7:30 a.m.

Class work resumed................................. Wednesday, January 2, 8:00 a.m.
Mid-year Examinations, Monday, January 28, to Saturday, February 2
Enrollment for Second Semester, . Saturday, February 2
Second Semester begins......................... Monday, February 4, 7:30 a.m.
Easter Recess.............. Friday, March 28, 7:30 a.m., to Wednesday, April 9, 7:30 a.m.
Final Examinations......... Thursday, June 12, to Thursday, June 19
Events of Commencement Week, Friday, June 20, to Monday, June 23
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1922 CHARLES FRANKLIN FERRIN, A. B., M. D., 36 Huntington Street, New London, Connecticut

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JOHN BOLDOSER,
Technician in Pathology and Histology
ADMINISTRATION

The University of Vermont consists of four colleges, viz.: The College of Arts and Sciences, The College of Engineering, The College of Agriculture and The College of Medicine. The College of Medicine is a member of the Association of American Medical Colleges and is rated as a Class A institution by the American Medical Association. The excellent record of the graduates of this college and the high standing of the institution is, in large measure, the result of the intensive instruction given in small sections in lecture, laboratory and clinic. The moderate tuition fee makes it possible for a student of very limited means to prepare for the medical profession.

Students who have not received the academic training necessary for admission to the College of Medicine are referred to the Catalogue of the University which gives a full description of the curricula in the College of Arts and Sciences serving this purpose.

Inquiries as to admission to the University, requests for catalogues and bulletins, and information concerning the alumni should be addressed to the Comptroller.

Requests for information and correspondence of a general character concerning the work of the institution as a whole, or its relation to its constituency, should be addressed to the President.

All telephones are listed under "The University of Vermont." Strangers unfamiliar with the institution and desiring information concerning the University may secure the same during office hours by calling either telephone number 899 or 140.

LOCATION

The University of Vermont and State Agricultural College is located in Burlington, having about twenty-five thousand population, one of the finest residential cities in New England, and, owing to its superb location, one of the most beautiful cities in this or any other country. Burlington is built on a hillside, sloping down to the shores of Lake Champlain, where the lake has its greatest width. The buildings comprising the University group occupy a site upon the summit of the hill overlooking the city. The University hilltop commands a western view of a large section of the lake, the Champlain valley and
the Adirondack Mountains and an eastern view of Mount Mansfield and Camel’s Hump, the highest and the third highest, respectively, of the peaks of the Green Mountains.

In addition to the natural beauty of its location, the attractiveness of the city itself and the healthfulness of its surroundings, Burlington is peculiarly well fitted to be the home of a University, affording as it does, the cultural advantages of a small city while avoiding the dangers and abstractions of the larger centers. The University is convenient of access from all points, Burlington being served by two railway lines and by Lake Champlain steamers.

The University of Vermont was the first distinctive State University founded in the United States of America.

**HISTORY**

The College of Medicine of the University of Vermont is one of the oldest institutions of its kind in the United States. A lecturer on Chirurgery and Anatomy was appointed by the Trustees of the University Corporation on August 13, 1804. The first full and regular course of lectures, however, was not given until the fall of 1822. In 1836 the enterprise was abandoned because of the death of some of its leading spirits and for lack of students. There had been graduated up to that time one hundred and sixteen men.

The reorganization and successful re-establishment of this school were due chiefly to the efforts of Dr. S. W. Thayer then a practitioner at Northfield. His efforts date back to 1840 and finally were successful in 1853. The prosperity of the newly organized department in 1854 soon became manifest, and a material enlargement of the old Medical College building, at the head of Main street, was demanded. A sum was raised and the necessary improvements made. In 1870 the citizens of Burlington contributed an additional sum of two thousand five hundred dollars further to enlarge the building by the addition of a wing and to increase the seating capacity of the two lecture rooms. In 1884 the late John P. Howard generously gave a commodious building at the head of Pearl street which was occupied first in 1885.

Until 1899 the relation of the College to the University was chiefly nominal. It was then reorganized and made a co-ordinate department
of the University under the control of the Board of Trustees, and its facilities both for teaching and study were increased materially. New rooms and improved apparatus were added and additional instructors secured. In 1903 the course was lengthened to seven months and in 1907 to seven and one-half months, giving thirty weeks of actual instruction. In December, 1903, the building which had been occupied by the College for twenty years was destroyed by fire. A new building was begun in August, 1904, and was dedicated in June, 1905.

In 1911 the faculty of the College of Medicine was reorganized and the department made an integral part of the University system. With the opening of the college year of 1912 the entrance requirements were raised to one year of collegiate work and the college year was made equal in length to that of the academic colleges. Beginning in September, 1917, a regulation went into force, providing that two full years of academic College work should be required for admission. So far as can be foreseen the requirements will not be raised above this standard.

THE COLLEGE OF MEDICINE BUILDING

The College of Medicine building, located at the north end of the College Green, is a capacious and substantial structure, one hundred seventy feet long, seventy-five feet wide and three stories high. It is built of red brick with gray terra-cotta trimmings and is fire-proof, heated by steam, ventilated by the most approved system, and lighted by electricity.

This is a modern building, well equipped for teaching all branches of medical science, and includes up-to-date facilities for laboratory work. It contains laboratories for Anatomy, Chemistry, Histology, Pathology, Physiological Chemistry, Physiology, Bacteriology, Embryology, Clinical Microscopy and Pharmacology; commodious lecture halls, recitation rooms, rooms for practical work, etc. All the laboratories are large, perfectly ventilated, and so located in the building that they have a north light, which is especially desirable for the satisfactory use of the microscope. The lecture halls and recitation rooms are large, the seats being arranged so that every student has an unobstructed view of all demonstrations and clinics. The Medical Library, a division of the University Library and the Pathological and Anatomical Museums and administrative office of the University are in this buildings.
Burlington and the adjoining city, Winooski, have a population of between twenty-five thousand and thirty thousand, and Burlington is the hospital center for an area having a population of over one hundred thousand.

HOSPITALS

There are approximately two hundred beds in the Mary Fletcher and Fanny Allen Hospitals. The former institution adjoins the University campus. The relation existing between this hospital and the College of Medicine always has been very friendly, many of the teaching staff being attending physicians or surgeons at the hospital. The latter hospital is located approximately two miles from the college buildings, but being on a trolley line is easy of access. The relations with this hospital also are cordial and several members of its staff are members of the College of Medicine Faculty. By definite arrangements with these hospitals one hundred and forty beds are available for clinical teaching. The members of the Senior class are in daily attendance at these hospitals.

A new building, part of the Mary Fletcher Hospital plant, is devoted entirely to clinical work, and furnishes well-equipped rooms both for amphitheatre clinics and teaching to small sections of the class.

The Bishop Louis De Goesbriand Hospital is now being erected directly opposite the College of Medicine building and will furnish an important addition to the clinical facilities of this institution.

FREE DISPENSARIES

The free dispensaries, located at the Mary Fletcher Hospital and at No. 110 Pearl Street, have well-equipped rooms for the convenient administration of dispensary service. The work is organized thoroughly, and is under the direct supervision of the professors. All patients in the dispensaries are available for clinical teaching. These departments are open two hours each week day throughout the year, and furnish a great variety of diseases for clinical study. The work of the Burlington city physician, the medical charity of the city, has been assigned to these departments. This work provides excellent opportunities for studying cases and caring for patients in their own homes.
MATERNITY SERVICE

There is a free maternity ward at the Mary Fletcher Hospital and a maternity home. About one hundred and twenty-five maternity cases are treated at these two institutions each year. These cases provide abundant facilities for the clinical teaching of Obstetrics.

ORPHANAGES

There are two homes for orphans in the city which have an average daily attendance of about three hundred twenty-five children. These institutions are available for the clinical teaching of diseases of children, and furnish a large number of cases of the various diseases incident to childhood.

STATE HOSPITAL

The State Hospital for the Insane is located twenty-five miles from Burlington, and has seven hundred and seventy-five patients. Sections of the class visit this hospital from time to time during the session, for the study of the various forms of mental disease.

CLINICAL TEACHING

The department of clinical teaching is under the direct supervision of the Professors of Clinical Medicine and Clinical Surgery, who have an able corps of clinical assistants.

Clinical instruction is organized on the laboratory basis. Small groups of students have definite assignments at stated hours, and are always under the supervision of a clinical instructor.

The work includes daily service in the wards of the hospitals and at the dispensaries, attendance at the daily clinics and daily attendance in the general operating rooms of the hospitals. Students are also assigned to the pathological laboratory of the hospital, where, each morning, the regular pathological examinations for the hospital service are made.

It is the purpose of the clinical teaching to incorporate, so far as possible, the same general principles of systematic teaching that are used in didactic instruction. The abundance of material for clinical study in the hospitals and dispensaries, in the children's homes and at the State Hospital for the Insane, together with the large number
of patients from the outlying country who are daily seeking medical and surgical advice in Burlington, make it possible to do this in a very large measure.

LIBRARY AND MUSEUM

The Library of the College of Medicine contains more than three thousand volumes, and is located on the second floor of the Medical building. From time to time it has received valuable accessions. The State Laboratory of Hygiene offers for the use of the students of the college its very complete list of medical journals and periodicals.

The Stone Memorial Fund, amounting to one thousand dollars, was contributed by the family, associates, friends and students of Dr. Bingham H. Stone, late Professor of Pathology. The income from the fund is used for the purchase of books or periodicals dealing with Pathology or related subjects. This material, together with Doctor Stone's own books, given by Mrs. Stone, make up the Stone Memorial Library, which is an integral part of the library of the College of Medicine.

The Medical Museum contains a large number of specimens, illustrating both the relation of normal structures to the body and various pathological conditions. A large number of sections of the brain show the internal structure of that organ. These specimens are distributed throughout the laboratories, where they can be made the most useful in teaching various subjects.

LABORATORY FACILITIES

In addition to the well-equipped laboratories of Pathology, Bacteriology, Chemistry, Histology, Pharmacology, Physiology and Anatomy, in the college building, there are available for teaching purposes, the Bacteriological, Diagnostic, Serological, Medico-legal, Food and Water Laboratories of the State Board of Health situated in the Board of Health building adjoining the College of Medicine. This building is the property of and was fitted up by the University. The Research Laboratory maintained by the State Board of Health through private benefaction, is situated by the generosity of the University of Vermont in the College of Medicine building, where a special investigation of poliomyelitis or infantile paralysis and lethargic encephalitis, or sleeping sickness, is being made. There exists the
closest sympathy between the State Board of Health and the University, making the interests of the two institutions one. The President of the State Board of Health is a Trustee of the University; the Secretary and Executive Officer of the Board is Professor of Hygiene in the College; the Director of the Board of Health Laboratory is Professor of Toxicology and Physiological Chemistry in the College; the Sanitary Chemist of the former institution is Instructor in Chemistry in the department of Preventive Medicine; the instructor in Venereal Diseases of the College of Medicine acts as Serologist at the State Laboratory and the Professor of Sanitary Engineering is Dean of the College of Engineering.

Classes in water and milk analyses are held at the Laboratory of Hygiene; the large amount of material sent from all parts of the State to this laboratory furnishes an abundance of material for student use in Pathology, Bacteriology, Clinical Microscopy and Sanitary Chemistry. Furthermore, the Director of the Board of Health Laboratory is by virtue of that position, State Pathologist, a position equivalent to medical examiner in other States, and performs all autopsies required by the State Department of Justice. Much of this material is available for teaching in Pathology.

FEES AND EXPENSES

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<tr>
<th>Item</th>
<th>Minimum</th>
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<tr>
<td>Tuition Fee for each session</td>
<td>$80.00</td>
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<tr>
<td>Athletic Association Fee, annually (men)</td>
<td>20.00</td>
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<tr>
<td>Athletic Association Fee, annually (women)</td>
<td>10.00</td>
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<tr>
<td>Graduation Fee, payable at graduation only</td>
<td>25.00</td>
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<tr>
<td>Room Rent, in Converse Hall</td>
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<tr>
<td>Board, Commons Hall Cafeteria (estimated)</td>
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<td>200.00</td>
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<tr>
<td>Board, in the city</td>
<td>200.00</td>
<td>250.00</td>
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Students will be required to deposit with the Comptroller five dollars, from which will be deducted the value of any bones taken from the

*Payable half yearly in advance.
†Beginning with the College year 1923-24 the tuition fee for students not residents of Vermont will be $300.00. This does not apply to students enrolled in 1922-23, or earlier.
Museum which are not returned, and any charges for breakage in the laboratories. The remainder of such deposit, or the whole if there be no charge against it, will be returned to the student at the close of the session.

Each student in the College of Medicine and in the courses in the College of Arts preparatory to medicine is required to own a complete compound microscope of modern type and fully equipped in conformity with a fixed standard. The University arranges for the purchase of the microscopes, and the student must be prepared to make full payment for the same at the time of enrolling for the second half of Freshman year. In 1922 the price of this standard physician's microscope was $120. In the event of the student's being compelled for any reason to leave college before the close of Freshman year or immediately thereafter arrangements may be made whereby the University will cooperate with the student in disposing of his microscope, purchasing it from him and making suitable adjustment for the use of it already made by the student. This is agreed however only in case the student notifies the Comptroller of his wish to make use of this plan at a date not later than August first.

Students must provide microscopical supplies for use in the various laboratories.

Each student must purchase a dissecting case for use in the Anatomical Laboratory.

All supplies may be purchased at the University Store in the Old College building. Medical Text Books are on sale at the Medical Book Store.

All college bills, including tuition, rent of rooms and fees, are payable semi-annually in advance, and no student will be admitted to enrollment at the beginning of a half-year until he presents a certificate from the Comptroller that bills for the half-year have been paid.

Students temporarily absent from the University are charged as if present. Interest at the rate of six per cent. may be charged upon all bills from the day on which they become due.

No part of the advance payment as above specified will be refunded except in case of illness or other severe calamity compelling the student to leave college for the year. Students who engage a room in a college dormitory are liable for the rental charge for the entire year.

A student who has been dropped into a lower class because of deficiency in his work, or for other reason, will be required to pay his bills for the additional year or years in which he may be a member
of the University, and in no case will a scholarship or tuition exemption be available for more than four years.

HONORS, PRIZES AND SCHOLARSHIPS

The five students who are found to have secured the highest aggregate of marks during the entire four years' course of study in the College of Medicine are designated honor men, and each is graduated as Doctor of Medicine, cum laude.

The graduate receiving the highest average is given a prize of fifty dollars in gold, and the student receiving the next largest number of credits is given a prize of twenty-five dollars in gold.

The Governor Woodbury Prize.—The Governor Woodbury prize of fifty dollars is awarded upon a basis determined by the Faculty of the College of Medicine to the Senior who has exhibited the greatest proficiency in the practical courses of his class.

Fellowships.—The University Trustees have established one teaching fellowship in clinical medicine to be awarded each year, good for two years, which will be given to some graduate medical student holding an academic degree, who may wish to pursue further his studies in Clinical Medicine with the purpose of obtaining the degree of Master of Science.

Scholarships.—Honor Scholarships to the amount of one hundred dollars are awarded annually by the Board of Trustees, good for one year only, to each young man and woman graduating with the highest averages from Vermont high schools accredited by the State Board of Education. These scholarships are available to premedical students taking the work in the College of Arts and Sciences of the University.

The Braley Scholarship, one hundred dollars annually, was established by Mrs. Nellie Braley of Burlington in memory of her late husband, Dr. Bether W. Braley, of the class of '75, for the benefit of the students in the College of Medicine.

The Soldiers' Scholarship Fund was founded for the benefit of students in any college of the University who are descendants of soldiers in the Civil War. The amount is fifty dollars.

The John Ordronaux Scholarships, nine in number, were founded in 1909 for students in the academic and medical colleges. Each scholarship amounts to $50 per year.
Fifty State Scholarships of one hundred dollars each for the benefit of medical students in this institution needing financial assistance, who have resided in Vermont for two consecutive years preceding enrollment, were established by the State Legislature in 1919. Students receiving such scholarships much agree to practice medicine in Vermont one year for each year this aid is given or refund to the State Treasurer the amount of the scholarship benefit received. Application blanks may be obtained from the Comptroller.

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ADMISSION

The rulings of the American Medical Association require that all students admitted to the College of Medicine shall have completed a four-year course in an approved secondary school and that college credits in laboratory courses in General and Organic Chemistry (at least twelve semester hours), and Physics and Biology of at least eight semester hours each be presented. In addition not less than six semester hours of college work in English and not less than twelve semester hours of the non-science subjects are required. Subjects strongly urged are French or German, Psychology, Mathematics and Advanced Zoology. The total credits must amount to not less than sixty semester hours. Students are not admitted to the College of Medicine with conditions in secondary or college work. For students who desire a baccalaureate degree in addition to the degree of Doctor of Medicine, a seven-year combination curriculum is offered by the University.

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ENROLLMENT

Payment of bills, registration and enrollment occur on the first day of the college year. Printed directions may be secured from the Registrar. Registration for each session closes seven days after the opening of college. New students will not be enrolled in the College of Medicine except at the beginning of a session.
ADMISSION WITHOUT EXAMINATION

1. Applicants who have fulfilled any of the following conditions will be admitted without examinations:

   a. Those who have received a baccalaureate degree from any college or university which maintains a satisfactory academic standard, provided laboratory courses in General and Organic Chemistry (twelve semester hours), Physics (eight semester hours) and Biology (eight semester hours) have been completed.

   b. Those who have completed satisfactorily two years aggregating at least sixty semester hours, in any college or university which maintains a satisfactory academic standard, provided the courses completed include the prescribed work in Physics (eight hours), General and Organic Chemistry (twelve hours), Biology (eight hours), English (six hours) and a course in modern language, preferably French or German. Preference will be shown applicants who present credits chosen from the following subjects: Psychology, Mathematics, Advanced Zoology and additional Chemistry.

No student having conditions in required secondary or college work will be admitted to the College of Medicine.

ADMISSION OF STUDENTS FROM OTHER MEDICAL COLLEGES

As enrollment in the College of Medicine is strictly limited admission by transfer can be secured only on a previous record of high standing in an approved school and following a personal interview.

Students desiring advanced standing are subject to the same rules, in regard to advancement in course, as students who have attended this college. No applicant for advanced standing will be enrolled under more favorable conditions than would obtain were he to continue at the institution from which he seeks to transfer.

THE SEVEN-YEAR COMBINATION CURRICULUM

A candidate for a degree in the Classical, Literary-Scientific or General Science curricula, intending later to enter the College of Medicine, may so arrange as to complete the two curricula in seven years. He must complete the work of the first three years in the College of Arts
and Sciences, together with one laboratory course each in General and Organic Chemistry, Physics, Botany-Zoology, and so arrange his electives that if he were to complete the work of the fourth year in the College of Arts and Sciences he would fulfill the requirements of the group system. In his fourth year he must enroll in both the College of Arts and Sciences and in the College of Medicine, but pursue only the studies of the first year in the latter college, on the completion of which he will receive his baccalaureate degree.

Students from other institutions who desire to combine the courses must complete at least one full year's work in the College of Arts and Sciences before entering the College of Medicine.

No provision for this combination of courses is made in the department of Commerce and Economics, or in the Colleges of Engineering and Agriculture.

THE SIX-YEAR CURRICULUM

Students who are unable to spend three years in academic work before beginning their medical studies may satisfy the requirements for admission to the College of Medicine by completing the first two years of the General Science Curriculum with the following modifications:

a. In Freshman year Declamation is omitted and Biology 1 is substituted for Botany 2 or Zoology 1.

b. In Sophomore year Declamation is omitted and Organic Chemistry is substituted for the one elective.

c. For the required course in Mathematics (Mathematics 2) during Sophomore year one of the following may be substituted: Botany, Psychology 1, Zoology 3. (See also the notes at the bottom of this page.)

TABLE SHOWING STUDIES OF THE FIRST TWO YEARS OF THE SIX-YEAR COMBINATION CURRICULUM

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
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<tbody>
<tr>
<td>English 1</td>
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<tr>
<td>French or German</td>
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<tr>
<td>Chemistry 1</td>
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<tr>
<td>Mathematics 1</td>
<td>4</td>
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<tr>
<td>Biology 1</td>
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<tr>
<td>Physical Education</td>
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<tr>
<th>SECOND YEAR</th>
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<tbody>
<tr>
<td>Physics 1</td>
<td>5</td>
<td>5</td>
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<tr>
<td>Chemistry 9</td>
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<td>2</td>
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<tr>
<td>Chemistry 10</td>
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<tr>
<td>*French or German</td>
<td>3</td>
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<tr>
<td>*Restricted Elective</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>English 2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
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</tbody>
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*Students presenting two years of French or German for admission and satisfactorily completing French 2 or 3, or German 2 in Freshman year, may elect Psychology 1 or an advanced course in Botany, French, German, Mathematics or Zoology.

*Mathematics 2 or Botany or Psychology or Zoology 3.
A Medical Corps Unit of the Reserve Officers' Training Corps has been established in connection with the Medical College of the University of Vermont. This course is required of first year and second year medical students. This unit is established by authority of the War Department and the instruction given in connection with it follows the schedules prepared by the Surgeon General of the Army. The actual instruction is given by an officer of the Medical Corps of the United States Army and consists of lectures. Text books are not required and all necessary reference books will be found in the library of the College of Medicine. There is no drill conducted in connection with this instruction and no uniforms are required except when students are attending summer camp, when they are furnished by the Government.

The course as laid out by the War Department covers the period of four years. The work is progressive. Instruction in the Basic Course is given to Freshmen and Sophomores and in the Advanced Course to the Juniors and Seniors. Students who successfully complete the Basic Course are eligible for enrollment in the Advanced Course which offers the student the opportunity of completing his military medical training. While pursuing the Advanced Course the student receives in actual cash the value of the army ration which varies from year to year. The last year the value of the ration was thirty cents per day. This ration money is paid for all days of the year while a member of the Advanced Course, except at summer camp, when the student is paid one dollar per day during such attendance.

As a final reward to students successfully completing the Advanced Course, they are presented commissions in the Officers' Reserve Corps of the United States Army with the grade of First Lieutenant. The greatest value in pursuing the R. O. T. C. Course to a successful completion is the qualification of medical students for commissions in the Medical Department of the United States Army and for actual duty that they might be called upon to perform in time of a national emergency. The course of instruction naturally includes the treatment of many subjects that would be of great value in the ordinary practice of medicine as a civilian.

Students who enroll in the Advanced Course are required to attend one summer camp, not to exceed six weeks in duration, at which in-
struction of a practical nature is given, such as they would be called upon to perform if actually called to active service as a Reserve Officer in time of a national emergency. The Government pays the travelling expenses to and from the summer camps, furnishes uniforms free of charge, furnishes subsistence and pays students at the rate of one dollar a day while actually attending camp. Students pursuing the Basic Course are not required to attend summer camp but are authorized to do so if they so desire. Students electing to attend the Basic Camp receive the same emoluments from the Government as those attending the Advanced Course Camp, except that they are not paid the one dollar a day while in actual attendance at camp.

REQUIREMENTS FOR ADVANCEMENT IN COURSE

Attendance upon all the exercises assigned for the year is obligatory. Failure to attend 80 per cent. of the exercises of any subject constitutes a failure in that subject.

The work of each year is final and students are advanced when they have satisfactorily completed the work assigned for the year.

The standing of each student in his class at the end of the session is based upon the general character of his work in the different laboratories and other practical exercises, upon the character of his recitations, upon the result of the mid-year examinations and upon the result of the examinations held at the end of the session.

Students who fail in not more than twenty-five per cent. of the work by subjects in the first, second, or third years, may be re-examined in these subjects at the regular examination period preceding the opening of the next session. The marks obtained in this re-examination are computed with the credits earned during the preceding session in exactly the same way as those obtained in the examination at the end of the session.

A student who, upon re-examination again fails, will not be advanced; provided, however, that if such failure be in a single subject which is not completed in that year, the student may, upon recommendation of the head of the department in which he failed, and by a vote of the Faculty, be advanced with a condition.

A student who is not present at an examination will be classed as having taken the examination and failed, unless excused from such examination by the Faculty.

Students who have failed to complete the course of any year satisfactorily, may be enrolled the following session to repeat the work of
that year, but the faculty reserve the right to refuse reenrollment, if in their opinion the student is not fitted to continue the study of medicine.

A student who has been a member of any class for two sessions, and has failed to complete satisfactorily the work of that year, will not be enrolled again as a student of the college.

A student will not be permitted to become a member of the third-year class until he has removed all conditions of the first year; and a student will not be permitted to become a member of the fourth-year class until he has removed all conditions of the second year.

**REQUIREMENTS FOR GRADUATION**

Candidates for the degree of Doctor of Medicine must have reached the age of twenty-one years and must have presented satisfactory evidence of good moral character. All the requirements of this college in regard to preliminary education must have been met, and the candidate must have attended regularly and completed satisfactorily the prescribed work of four courses of instruction in Medicine of at least thirty-two weeks each.

Students will be required to serve one year as interne in some recognized hospital in addition to the four years of college.

All candidates for the degree of Doctor of Medicine must be present at Commencement unless excused by the Faculty.

**OUTLINE OF THE FOUR YEARS' CURRICULUM**

The curriculum has been arranged so that the study of the several branches of Medicine is taken up in a systematic way.

The student is taught first the general structure of the body, the functions of the various organs and the chemical processes taking place in the body; the minute structure of the tissues and organs in health, and the changes in structure caused by disease.

The student then is taught the various symptoms of disease and how to interpret them, the methods of investigating diseases and the remedies used in their treatment; the various surgical conditions, the indications for treatment or operation and the technique of each operation; reproduction and development, the diseases of pregnancy with their treatment and the management of labor.

Instruction is given by lectures, demonstrations, recitations, practical courses, laboratory work, clinics and clinical teaching at the bedside and in the dispensary.
The class is divided into small sections, so that each student receives the personal attention of the instructor in every course.

The work of the First Year includes the study of Anatomy, Physiology, Organic and Physiological Chemistry, Histology and Embryology. The courses in Anatomy and Physiology have been graded to cover two years, the work of each year being practically complete in itself.

Laboratory courses are given in Anatomy (dissecting), Histology, Embryology, Physiology and Chemistry.

During the Second Year the study of Anatomy and Physiology is completed and regular work in Materia Medica and Pharmacology, General Pathology, Surgery and Medicine and Bacteriology is begun. Laboratory courses are given in Anatomy, Pathological Histology, Physiology and Bacteriology.

The work of the Third Year includes Surgery, Obstetrics, Special Pathology and the various special subjects of Medicine and Surgery.

Laboratory courses in applied Bacteriology and Clinical Microscopy are given and there are practical courses in Physical Diagnosis, Minor Surgery, Bandaging, and Obstetrics with the manikin. The students attend the surgical and medical clinics, in which they are instructed in the methods of investigating disease, in properly interpreting the symptoms of disease, in the principles of differential diagnosis, and in the indications for treatment.

The Fourth Year is devoted largely to the study of diagnosis and the treatment of disease. Lectures, either didactic or clinical, are given on Medicine, Therapeutics, Obstetrics and Surgery. Students examine patients, make diagnoses, and outline treatment.

A practical course in Surgery is given, in which the student performs all the common operations upon the cadaver.

During this year the students are required to perform a number of autopsies under the instruction of the Professor of Pathology. The student also makes such microscopic study of the tissues removed as is of value in understanding the pathological history of the case.

POST-GRADUATE WORK

Post-graduate instruction is given every year without expense to physicians of the State who desire it. This instruction includes hospital clinics and lectures by specialists dealing with the diagnosis and treatment of various diseases, and is given on Fridays and Saturdays, so that a physician need not be absent long from his practice as is necessary when post-graduate work is done in the large cities.
I. Histology

II. Embryology

First Year. Histology.—(First 22 weeks, 7 hours per week) (154 hours).
   a Lectures. Microscopic structure of normal human tissues and organs. Twenty-two hours.
   b Recitations.
   c Laboratory work. Study of the microscopic anatomy of the fundamental tissues and of the organs, mainly human material. Practice in the preparation of tissue for microscopic examination. One hundred thirty-two hours.

Embryology.—(Last 10 weeks, 7 hours per week) (70 hours).
   b Recitations.
   c Laboratory work.
    Study of the general development of tissues and organs and of special topics which are of practical value. Microscopic examination of serial sections of embryos, and examination and dissection of whole embryos, animal and human, of various ages.
GROSS ANATOMY

THOMAS STEPHEN BROWN, M. D. ............... Professor of Gross Anatomy
DAVID MAESH BOSWORTH, A. B., M. D. .......... Instructor in Gross Anatomy

First and Second Year.—This course runs through two years, but most of the work is done in the first half of the first year.

a Lectures. First year, 32 hours; second year, 32 hours.
b Recitations. First year, 16 hours; second year, 32 hours.
c Laboratory work. First year, 32 hours; second year, 64 hours.

1st year.—Osteology.—Dissection. Demonstration of specimens. Each student is required to dissect one-half of the human body.

2nd year.—Anatomy of central nervous system, dissection and demonstration. Dissection of special regions. General review.

Applied Anatomy.—Third year.—Lectures and demonstrations. Sixteen hours.

Text-books—Piersol, Gray, Cunningham.
Practical Anatomy—Heisler’s Practical Anatomy, Cunningham’s Practical Anatomy.
Collateral Reading—Morris, Davis, Sabotta and McMurrich.
Embryology—Prentiss, McMurrich, Bailey and Miller, and Minot.
Histology—Schafer, Piersol, Bailey, Stöhr, Huber.

THE DEPARTMENT OF PHYSIOLOGY

FRED KINNEY JACKSON, A. B., M. D. ............... Professor of Physiology.

First and Second Years.—

a Recitations. First year, 64 hours; second year, 64 hours.
b Demonstrations and laboratory work. First year, 96 hours; second year, 64 hours. The course runs through two years.

Research Work.—Graduates in medicine and students with proper qualifications will be welcomed in the laboratory and afforded every opportunity to engage in advanced work.

Collateral reading—Stewart, Starling, Brubaker, Halliburton and the magazines.
THE DEPARTMENT OF CHEMISTRY

CHARLES FLAGG WHITNEY, M. S., M. D. ... Professor of Toxicology and Physiological Chemistry.

AMOS BUSH WILDMARTH, M. S. .... Assistant Professor of Chemistry

I. General Physiological Chemistry

(a) Lecture Course.—Two hours a week throughout the first year are given to lectures and recitations on physiological chemistry. *Sixty-four hours.*

(b) Laboratory Course.—The laboratory course occupies two two-hour periods a week throughout the year. *One hundred twenty-eight hours.*

The lectures, recitations and laboratory work are closely correlated and include such subjects as carbohydrates, fats, proteins, the various digestive processes, blood, muscle, bone, nervous tissue and urine.

The text-books now in use are Matthews' *Physiological Chemistry* and Hawk's *Practical Physiological Chemistry.*

THE DEPARTMENT OF PHARMACOLOGY

DAVID MARVIN, M. D. ... Professor of Pharmacology and Materia Medica.

Second Year.—

Lectures. *Thirty-two hours.*

Recitations. *Sixty-four hours.*

Laboratory. *One hundred twenty-eight hours.*

I. Materia Medica.—

Lectures and recitations throughout the year on drugs and the methods of administering them.

II. Prescription Writing.—

Recitations.—Practical exercises in writing prescriptions. Course extends through the year.

III. Pharmacy.—

Laboratory work.—Compounding prescriptions, manufacture and standardizing of official preparations, demonstration of incompatibilities.
IV. Toxicology.—
Laboratory work.—Detection of drugs in the urine. Effect of chemic antidotes on poisons. Effect of chemic corrosives and powerful irritants on human tissues.

V. Pharmacodynamics.—
Lectures and recitations through the second semester.
Laboratory work.—Experimental pharmacodynamics.
Research.—The laboratory will be open during the college year to advanced students or to those who wish to do original research work.

Text-books.—Bastedo, Materia Medica, Pharmacology and Therapeutics; Thornton, Manual of Prescription Writing; American Medical Association, Useful Remedies; Marvin, Laboratory Guide in Pharmacy.
Collateral Reading.—Cushney, Pharmacology and Therapeutics; Sollman, Text-book of Pharmacology; Hatcher and Sollman, A Text-book of Materia Medica; Potter, Materia Medica, Pharmacy and Therapeutics; U. S. Pharmacopoeia; U. S. Dispensatory; Arny, Principles of Pharmacy.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

Ernest Hiram Buttles, A. B., M. D., Professor of Pathology and Bacteriology.
Frederick Ellsworth Clark, M. D. Associate Professor of and Laboratory Instructor in Pathology.
Charles Flagg Whitney, M. S., M. D. Instructor in Pathology
Morgan Brewster Hodkins, M. D. Instructor in Neuro-Pathology.
Nathan Renwick Caldwell, M. D. Instructor in Clinical Pathology.
Louis Pease Hastings, B. S., M. D. Instructor in Pathology and Bacteriology.

John Boldosser Technician in Pathology and Histology

I. Sophomore Year

General Pathology.—
Demonstration.—One hour per week, 32 weeks. Thirty-two hours.
Recitations.—One hour per week, 32 weeks. Thirty-two hours.
Laboratory.—Four hours per week, 16 weeks. Sixty-four hours.
Six hours per week, 16 weeks. Ninety-six hours, a total of two hundred twenty-four hours.
Bacteriology.—
Demonstration.—One hour per week, 32 weeks. *Thirty-two hours.
Recitation.—One hour per week, 32 weeks. *Thirty-two hours.
Laboratory.—Six hours per week, 16 weeks. *Ninety-six hours,
a *total of one hundred sixty hours.

Laboratory Pathology.—
In the work of Laboratory Pathology the students are taught
to distinguish by microscopical characteristics the various
degenerations, to differentiate new growths and to recognize
deviations from the normal in the various organic lesions
of disease. The microscopical specimens mounted and studied
by each student illustrate the various topics of Pathology and
are supplemented by special demonstrations, by charts, lantern
slides, and micro-photographs.

Bacteriology.—
During the first semester of the second year two hours per week
are assigned to Bacteriology. Usually one hour is used for
recitation and one for lecture or demonstration, but a few
periods are taken for laboratory work. This course is prepara-
tory to the laboratory and recitation course of the second
semester.

Laboratory.—
In the second semester of this year, six hours per week are
devoted to the laboratory in addition to two hours of didactic
work.

II. Junior Year

Systemic Pathology.—
Demonstrations and Recitations.—Two hours per week, 32 weeks.
*Sixty-four hours.

Clinical Pathology.—
Laboratory.—Seven hours per week, 16 weeks. *One hundred twelve
hours, or a total of one hundred seventy-six hours.

The course in Systemic Pathology consists of demonstrations and
lectures, illustrated by gross specimens, charts, museum speci-
mens, and autopsies.

This course has as its purpose, the practice of application of
pathology to medicine, surgery and therapeutics, and is es-
pecially arranged to co-ordinate with the teachings given in
these subjects.
Laboratory.—
The course in Clinical Pathology consists of six hours weekly of laboratory and one hour of recitation work during the first semester. The laboratory work takes up the study of blood and urine, normal and pathological, gastric contents, sputum, feces, exudates, transudates, cerebro-spinal fluid, etc. Several sessions are devoted to a review of the more common bacteriological methods of diagnosis.

Recitation.—
The recitation course parallels the work of the laboratory and is used to explain the value and limitations of the different examinations and the interpretation of results.

III. Senior Year

Hospital Clinical Laboratory.—Fourteen hours per week for four weeks (each student). *Fifty-six hours.*

Clinico-Pathological Conference.—One hour per week, 32 weeks. *Thirty-two hours.*

Autopsies.—Two hours each (average 30). *Sixty hours, or a total of one hundred forty-eight hours.*

The Clinical-Pathological laboratory course is a supervised course in practical application of the clinical laboratory methods taught in the preceding years to the study of cases in the hospitals. The students work in pairs in the laboratory, each student serving two weeks.

Clinico-Pathological Conference.—
Once each week the class meets to discuss some case which has been studied in the wards and which has come to the autopsy table if there are such cases available; otherwise some living case is discussed.

Autopsies.—
These autopsies are mostly held in the morgue at the hospitals and are attended by third and fourth year students.

Text books—Pathology, MacCallum, Stengel and Fox, Delafield and Prudden; Bacteriology, Hiss and Zinsser, Park and Williams; Clinical Pathology, Todd's *Manual.*
DEPARTMENT OF MEDICINE

Clarence Henry Beecher, M. D. Professor of Medicine.
Daniel Augustus Shea, M. D. Instructor in Medicine and Physical Diagnosis.
Harold Franklin Taylor, B. S., M. D. Instructor in Medicine.

Course runs through second, third and fourth years.

Second Year

Physical Diagnosis. (Normal.)
(a) Recitations; (b) Examination of patients. Auscultation and percussion and other methods of examination. Thirty-two hours.

Third Year

Physical Diagnosis (continued). (Pathological.)
Instruction given to class by sections. Recitation, 32 hours; Clinics, 32 hours.

Lectures and Recitations.—
General Medicine and special branches, Neurology, Mental Diseases, Pediatrics, Tropical Medicine, Hygiene, Medical Jurisprudence, Toxicology. One hundred ninety-two hours.

History Recording and Symptomatology.—
Clinics.
Elementary.

Dispensary Work.—
In sections last semester.

Fourth Year

Lectures.—
Selected subjects. Sixty-four hours.

Case History Discussions.

Clinics.—
Before whole class in amphitheatre of Mary Fletcher Hospital.

Ward Work.—
Sections of class in wards of Mary Fletcher and Fanny Allen Hospitals.
Conferences with Surgical Teachers and Pathologists.—
Laboratory work in Clinical Pathology.

Dispensary Work.—
In sections first semester.
Laboratory and Clinics. *Sixty-four hours.*
Medicine—Osler's, *The Principles and Practice of Medicine.* For reference, Edward's, Tyson's, Anders's, Hare's, and Thompson's *Practice of Medicine,* Butler's *Diagnostics of Internal Medicine,* Musser's Wilson's and Anders' and Boston's *Medical Diagnosis.*

THE DEPARTMENT OF THERAPEUTICS AND CLINICAL MEDICINE

JAMES NATHANIEL JENNE, M. D. . . . . . . . . . . . . Professor of Therapeutics and Clinical Medicine.

DANIEL AUGUSTUS SHEA, M. D. . . . . . . . . . . . Instructor in Clinical Medicine.

HAROLD FRANKLIN TAYLOR, B. S. M. D. . . . . . Instructor in Clinical Medicine.

Third and Fourth Years

The subject of Therapeutics is taught during the students' Junior year, a systematic didactic course is given embracing general and special Therapeutics and Dietetics. *Sixty-four hours.*

The clinical course consists of daily exercises at the clinics in the wards of the hospitals and in the dispensary and extends throughout the Senior year.

Text-books—Hare's *System* (3 Vols.), Hare (1 Vol.).

THE DEPARTMENT OF SURGERY

I. Surgery

JOHN BROOKS WHEELER, Sc.D., M. D. . . . . . . . . . . . . Professor of Surgery.

LYMAN ALLEN, M. S., M. D. . . . . . . . . . . . . . Associate Professor of Surgery.

BENJAMIN DYER ADAMS, M. D. . . . . . . . . . . . Instructor in Surgery.

ROBERT LELAND MAYNARD, M. D. . . . . . . . . . . Instructor in Surgery and Orthopedic Surgery.

JOHN HAZEN DOBBS, M. D. . . . . . . . . . . . . Assistant in Clinical Surgery and Instructor in Anesthetization.
Second Year

Recitations.—
Principles of surgery. *Sixty-four hours.*

Practical Surgery.—
Bandaging, use of splints and other surgical appliances.

Third Year

Recitations and Lectures.—

Clinics.—
Besides the section work already mentioned, third-year students attend two amphitheatre clinics each week. *Sixty-four hours.*

Fourth Year

Lectures.—
Regional surgery. *Sixty-four hours.*

Minor Surgery.—
Fractures and dislocations and minor surgery.
Taught in sections in wards and in amphitheatre clinics.

Clinics.—
One amphitheatre clinic is held every week by the Professor of Surgery, in which dressings are done and cases are shown and discussed. Operations by the Professors of Surgery and Clinical Surgery are done each day in the smaller operating rooms before sections of the class.

Anesthetization.—
Practical instruction. Each student required to anesthetize several patients under direction of the Instructor in Anesthetization.

Text-books—*General and Regional,* DaCosta, Ashurst, Keen; *Operative,* Binnie; *Fractures and Dislocations,* Scudder, Cotton, Stimson.

II. CLINICAL SURGERY

Henry Crain Tinkham, M. S., M. D. .... **Professor of Clinical Surgery.**

Lyman Allen, M. S., M. D. .... **Instructor in Clinical Surgery.**

Clifford Atherton Pease, M. D. .... **Instructor in Clinical Surgery.**

George Millar Sabin, B. S., M. D. .... **Instructor in Clinical Surgery.**

Benjamin Dyer Adams, M. D. .... **Instructor in Clinical Surgery.**
Third Year

Lectures, demonstrations and clinics throughout the year. The course includes history taking, methods of examination of patients, diagnosis, and operative treatment.

The names and uses of the various instruments, methods of operation, preparation of the patient for operation and preparation of the surgeon.

Fourth Year

Groups are in daily attendance at the Free Dispensary and at the hospitals. They take histories, make physical examinations, perform laboratory examinations, and are present at the operation of patients to which they have been assigned. Surgical technique is taught to small groups in the general operating rooms. Amphitheatre clinics are held in the various surgical specialties.

Text-books—Surgical Anatomy, Campbell; Surgical Diagnosis, Martin; Diagnostic and Therapeutic Technique, Morrow; Preparatory and After Treatment, Hanbold, Bartlett.

THE DEPARTMENT OF OBSTETRICS

Patrick Eugene McSweeney, M. D. ..............Professor of Obstetrics and Gynecology.

Oliver Newell Eastman, M. D. ..............Associate Professor of Obstetrics.

Herbert Ashley Durfee, M. D. ..............Instructor in Obstetrics.

Third Year

Lectures and Recitations.—

Practical Obstetrics.—
Fourth Year

Lectures and Demonstrations.—
Abnormalities and complications of labor. *Sixty-four hours.*

Practical Obstetrics.—
Students attend cases of labor under supervision of a clinical instructor.

Text-books—Williams’ *Obstetrics,* Hirst’s *Obstetrics,* Edgar’s *Obstetrics,* DeLee.

THE DEPARTMENT OF HYGIENE

CHARLES FRANCIS DALTON, M. D. *Professor of Hygiene and Preventive Medicine.*

JOSIAH WILLIAM VOTEY, C. E., Sc. D. *Professor of Sanitary Engineering.*

CHARLES PERKINS MOAT, B. S. *Instructor in Chemistry of Foods, Milk, Drugs and Water.*

Second Year

Lectures and Demonstrations.—
General sanitation, ventilation, water and milk supplies, sewage and water purification, vital statistics. *Thirty-two hours.*

Third Year

Lectures and Demonstrations.—
Epidemiology, diagnosis and control of communicable diseases and other problems of preventive medicine. *Thirty-two hours.*

SPECIAL SUBJECTS

GYNECOLOGY

PATRICK EUGENE MCSWEENET, M. D. *Professor of Gynecology.*

GEORGE MILLAB SABIN, B. S., M. D. *Instructor in Gynecology.*

Third Year.—
Lectures and recitations. *Sixty-four hours.*

Fourth Year.—
Clinics, in hospital amphitheatre, one hour each week. Practical demonstrations of radium therapy. Section work in wards. History taking, examination, diagnosis, treatment. Complete history of each case required. *Thirty-two hours.*
There are two hours of clinic each week where the various operations in Gynecology are performed. Special attention is given to the consideration of lacerations, the influence these have on the pelvic viscera, the reflex symptoms caused, and the principles involved in their proper repair.


**NEUROLOGY**

**Frederic William Sears, A. B., M. D. ........ Professor of Neurology.**

Third Year.—
Lectures and recitations. *Sixty-four hours.*

Fourth Year.—
Clinics once a week through year. *Thirty-two hours.*
Text-books—Dana, Starr, Spear.

**MENTAL DISEASES**

**Edgar Orrin Crossman, M. D. .......... Professor of Mental Diseases.**

**James C. O'Neil, M. D. ................. Clinical Instructor in Mental Diseases.**

Fourth Year

Text-books—Church and Peterson, Allen.

**PEDIATRICS**

**Charles Kimball Johnson, M. D. .......... Professor of Pediatrics.**

Third Year.—
Lectures and recitations. *Thirty-two hours.*
History taking and examination of the normal infant.

Fourth Year—
Lectures. *Eighty hours.*
Case history discussions.
Physical diagnosis and practical instruction on cadaver in intubation, tracheotomy and lumbar puncture.

Infant feeding.

Weekly clinic before whole class in amphitheatre of Mary Fletcher Hospital. *Thirty-two hours.*

Section work at the dispensary and Orphan Asylums.

Text-books—Holt's *Diseases of Children.* References—Griffith's *Diseases of Children,* two volumes Morse's *Case Histories.* Plaundler and Schlossman's *Diseases of Children;* Kerley's *Treatment of Diseases of Children.*

**DISEASES OF THE EYE, EAR, NOSE AND THROAT**

**EDMUND TOWLE BROWN, M. D** ........... *Professor of Diseases of Eye, Ear, Nose and Throat.*

**EMMUS GEORGE TWITCHELL, A. B., M. D** ........... *Instructor in Diseases of Eye, Ear, Nose and Throat.*

**Third Year.—**

Lectures and recitation. *Sixty-four hours.*

**Fourth Year.—**

Clinics. Two each week during first semester. *Sixty-four hours.*


**GENITO-URINARY DISEASES**

**WILLIAM WARREN TOWNSEND, M. D** ........... *Professor of Genito-Urinary Diseases.*

**SIDNEY LEON MORRISON, M. D** ........... *Instructor in Genito-Urinary Diseases.*

**SETH HUSTIS MARTIN, M. D** ........... *Instructor in Genito-Urinary Diseases.*

**CHARLES ARTHUR RAVEY, M. D** ........... *Instructor in Venereal Diseases.*

**Fourth Year.—**

Lectures and recitations on genito-urinary diseases and dispensary work. Clinics once a week; ward work and dispensary work throughout the year. *Thirty-two hours.*

DERMATOLOGY

CHARLES MALLORY WILLIAMS, Ph. B., M. D. .......... Professor of Dermatology.

SETH HUSTIS MARTIN, M. D. .......... Instructor in Dermatology

Third Year.—
Lectures, recitations and demonstrations. Sixteen hours.

Fourth Year.—
Lectures with projectoscope illustrations. Clinics. Demonstrations of all the more common skin diseases. Each case is examined by a group of four members, who then report to the class their findings with recommendations for treatment, and this report is discussed by the class under the direction of the Professor. Sixty-eight hours.

Text-books—Stelwagon, Sutton, Schamberg, Morris and Walker Thompson (Syphilis), Jackson (Hair and Scalp), Sequeira.

ORTHOPEDIC SURGERY

FRED HOUDLETTE ALBEE, Sc. D., M. D. .......... Professor of Orthopedic Surgery.

ROBERT LELAND MAYNARD, M. D. .......... Instructor in Orthopedic Surgery.

ELMER PETER WEIGEL, M. D. .......... Instructor in Orthopedic Surgery.

Third Year.—
Lectures and recitations. Sixteen hours.

Fourth Year.—

Text-book—Albee’s Orthopedic and Reconstruction Surgery.

MEDICAL JURISPRUDENCE

EDMUND CURTIS MOWER, A. M., LL. B. .......... Professor of Medical Jurisprudence.

Lectures.—
Right to practice, contractual relations between physician and patient, the law of malpractice, legal aspects of the physician’s duties under public health laws, autopsies and reports
thereon, medico-legal aspects of certain crimes, expert testimony, insanity, judicial toxicological investigations. Twenty hours.

TOXICOLOGY

CHARLES FLAGG WHITNEY, M. S., M. D. . . . Professor of Toxicology and Physiological Chemistry.

The course consists of lectures and recitations one hour a week for one-half year during the first semester of the fourth year. The time is divided about equally between General Toxicology and Special Toxicology in which each important poison is studied in reference to its origin, effect on the body, detection, etc. Sixteen hours.

MEDICO-MILITARY SCIENCE

ARTHUR O. DAVIS, Major Med. Corps, U. S. A.

Professor of Medico-Military Science

Lectures.—The Lectures are divided into two courses, each course consisting of two series of thirty lectures each and covering a period of two years. Instruction is graded and conforms to the outline laid down for medical units of the Reserve Officers Training Corps.

Course 1.—For first and second year students.
Course 2.—For third and fourth year students.
The hour assigned for lectures on the schedule is two hours per week.

TROPICAL MEDICINE

WILLIAM LLOYD AYCOCK, M. D. . . . . . Professor of Tropical Medicine

Lectures.—During the session of 1923-24, a course of lectures on Tropical Medicine covering sixteen hours will be given, supplemented by microscopic slides and pathological specimens from the College Laboratory and the Army Medical Museum, Washington, D. C.
Reference book—Manson's Tropical Diseases.
FOURTH YEAR
Class of 1923

Rael Lawrence Alden
Rogers Norris Blake, B. S.
Charles Franklin Branch
Sherburne Campbell
Albert Edward Bruce Coleby
Joseph Francis Duell
Kumjian Durand
Herman Lorenzo Emidy

Ulysses Maurice Frank
Paul Kendrick French, Ph. B.
Louis Pease Hastings, B. S.
Joseph Joel Heyman
Reginald Lindsey Hill
Charles Flinning Keeley, A. B.
Frank James Lawless
David Gladstone Morris, A. B.
Chesley Wilbur Nelson, A. B.
John Emmet O'Brien, A. B.
Clarence Dexter Pierce, Jr., Ph. B.
Herman Bertram Ring
Wilhelm Renold Schillhammer
Dorrance Ellsworth Sheffield, A. B.
Chrysaphes John Xaphes

Proctor
Burlington 26 Adsit Court
Burlington 89 N. Prospect St.
Lyndonville 41 Clarke St.
New York, N. Y. Y. M. C. A.
Burlington 95 Lakeside Ave.
Burlington 12 Bradley St.
Woonsocket, R. I.

Burlington Mary Fletcher Hospital
Orleans 185 North St.
Burlington 96 Henry St.
Burlington 16 Isham St.
Passaic, N. J. 176 N. Winooaki Ave.
Chelsea Mary Fletcher Hospital
Nashua, N. H. 163 Loomis St.
S. Barre Mary Fletcher Hospital
Miami, Fla. 5 S. Converse Hall
Burlington 94 Hungerford St.
Burlington Fanny Allen Hospital
Passaic, N. J. 116 N. Winooaki Ave.
Burlington 31 Volz St.
Burlington Mary Fletcher Hospital
Burlington 101 Church St.

THIRD YEAR
Class of 1924

John Raymond Andrews
John Wilbur Armstrong, A. B.

John Wilbur Armstrong, A. B.

Donato Antonio Astone
John Matthew Bachelus
Rosary Henry Bisson
Lewis Woodbridge Brown, A. B.
George Walter Caldwell
Carl Clarence Chase
George Rosario Cusson
George Breed Davis, B. S.

Gerard Charles de Granpre, A. B.
Paul DeNicola
Hyman Maurice Glasston
David Goldberg

Louis Edward Goldberg
Charles Henry Goyette
Jack Ward Gray, A. B.
Frank Oscar King, A. B.
Elton Walton Lance
Dorothy Mary Lang
Arthur Byron Lawrence
James Pratt Marr
Dennis Martin O'Brien
John Clark O'Brien
Walford Tupper Rees

Burlington 16 Front St.
Burnt Hills, N. Y. 21 N. Converse Hall
Burlington 55 Loomis St.
New Britain, Conn. 66 S. Union St.
Barre 327 Pearl St.
Skowhegan, Me. 16 Isham St.
Burlington 65 S. Union St.
Bennington 43 N. Willard St.
Lyndonville 43 N. Willard St.
Stafford Sps., Conn. 69 Hungerford St.

Plattsburg, N. Y. 114 Buell St.
Pawtucket, R. I. 355 Pearl St.
Burlington 46 Bright St.

New York, N. Y. 116 N. Winooaki Ave.
Portland, Me. 176 N. Winooaki Ave.
Burlington 205 Church St.
New York, N. Y. 5 S. Converse Hall
Burlington 16 Hickok Place
Plainfield 89 N. Prospect St.
Cambridge 342 Pearl St.
Burlington 392 North St.
Williamstown 10 Isham St.
Burlington 112 Loomis St.
W. Granville, N. Y. 84 N. Willard St.
Nashua, N. H. 89 N. Prospect St.
## THE UNIVERSITY OF VERMONT

<table>
<thead>
<tr>
<th>Evans Franklin Sealant</th>
<th>Bangor, Me.</th>
<th>60 N. Willard St.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oney Percy Smith</td>
<td>Concord, N. H.</td>
<td>234 Pearl St.</td>
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<tr>
<td>Dennis Bernard Sullivan</td>
<td>Winthrop, N. Y.</td>
<td>84 N. Willard St.</td>
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<tr>
<td>Daniel Francis Sullivan</td>
<td>Hartford, Conn.</td>
<td>84 N. Willard St.</td>
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<tr>
<td>Linwood Austin Sweat</td>
<td>Burlington</td>
<td>40 Walnut St.</td>
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<td>Abrahams David Teitelbaum</td>
<td>Burlington</td>
<td>39 Buell St.</td>
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<tr>
<td>William Graves Townsend</td>
<td>New York, N. Y.</td>
<td>Hotel Vermont</td>
</tr>
<tr>
<td>Francis Van Vechten Wethy</td>
<td>Burlington</td>
<td>28 N. Willard St.</td>
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<tr>
<td>Dean Anthony Wry</td>
<td>St. Albans</td>
<td>64 N. Winooski Ave.</td>
</tr>
</tbody>
</table>

### SECOND YEAR

#### Class of 1925

<table>
<thead>
<tr>
<th>John Goldthwaite Adams</th>
<th>Fair Haven</th>
<th>292 S. Union St.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul Ernest Anderson, B. S.</td>
<td>Rutland</td>
<td>94 Loomis St.</td>
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<tr>
<td>John Cordes Armstrong</td>
<td>Bennington</td>
<td>39 Bradley St.</td>
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<tr>
<td>Eric Henry Blank</td>
<td>Pike, N. H.</td>
<td>15 Greene St.</td>
</tr>
<tr>
<td>Norman Keeler Bonney</td>
<td>New Bedford, Mass.</td>
<td>88 Buell St.</td>
</tr>
<tr>
<td>Harry Butler, A. B.</td>
<td>Bangor, Me.</td>
<td>437 Main St.</td>
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<tr>
<td>Anchise Anthony Cirillo</td>
<td>Troy, N. Y.</td>
<td>76 N. Winooski Ave.</td>
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<tr>
<td>Donald Miller Clark</td>
<td>Rutland</td>
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<tr>
<td>Samuel Cominsky, B. S.</td>
<td>Manchester Depot</td>
<td>276 North St.</td>
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<tr>
<td>Irving Marsh Derby, B. S.</td>
<td>Burlington</td>
<td>250 Shelburne Rd.</td>
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<tr>
<td>Jerome James Driscoll</td>
<td>Norwich, Conn.</td>
<td>12 Buell St.</td>
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<tr>
<td>Mark Donald Duby</td>
<td>Danneormor, N. Y.</td>
<td>205 Church St.</td>
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<tr>
<td>George Kingsley Fenn</td>
<td>Burlington</td>
<td>346 S. Union St.</td>
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<tr>
<td>Anthony William Ferrara</td>
<td>Long Island City, N. Y.</td>
<td>176 N. Winooski Ave.</td>
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<td>Raymond Richard Grasso</td>
<td>Newark, N. J.</td>
<td>76 N. Winooski Ave.</td>
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<tr>
<td>Maurice Ervin Hodgdon</td>
<td>Franklin, N. H.</td>
<td>75 Loomis St.</td>
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<tr>
<td>Everett Beeman Holmes</td>
<td>Waterbury</td>
<td>120 Buell St.</td>
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<tr>
<td>Dewey Katz, B. S.</td>
<td>Burlington</td>
<td>185 Bank St.</td>
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<tr>
<td>Harry Walter Kidder</td>
<td>Barre</td>
<td>276 North St.</td>
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<tr>
<td>Naomi Delia Lanou</td>
<td>Burlington</td>
<td>110 Archibald St.</td>
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<tr>
<td>Roland Ernest McSweeney, B. S.</td>
<td>St. Johnsbury</td>
<td>69 Hungerford St.</td>
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<td>Abraham Montague Margolski</td>
<td>Revere, Mass.</td>
<td>76 N. Winooski Ave.</td>
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<td>Martin Matthew Meehan</td>
<td>Burlington</td>
<td>73 Buell St.</td>
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<td>Bernard Litchfield Mills</td>
<td>Montpelier</td>
<td>60 N. Prospect St.</td>
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<td>Herman Andrew Morrill</td>
<td>Pike, N. H.</td>
<td>15 Greene St.</td>
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<td>Carroll Raymond Murch</td>
<td>Putney</td>
<td>80 N. Willard St.</td>
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<tr>
<td>Charles Elbert Niles, B. S.</td>
<td>Brandon</td>
<td>125 St. Paul St.</td>
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<td>John Thomas O'Brian</td>
<td>Burlington</td>
<td>112 Loomis St.</td>
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<td>James Patrick O'Brien, B. S.</td>
<td>Woonsocket, R. I.</td>
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<tr>
<td>Francis Edward O'Connor, B. S.</td>
<td>Burlington</td>
<td>20 Booth St.</td>
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<td>Clarence Ralph Pearson</td>
<td>Winthrop, N. Y.</td>
<td>44 Isham St.</td>
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<td>Arthur Quito Penta</td>
<td>Rutland</td>
<td>404 Pearl St.</td>
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<tr>
<td>James Everett Phelps</td>
<td>Marshallfield</td>
<td>35 N. Willard St.</td>
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<tr>
<td>John Russell Randolph</td>
<td>Pittsburg, Pa.</td>
<td>55 S. Union St.</td>
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<tr>
<td>Peter Joseph Shamhoon</td>
<td>Burlington</td>
<td>90 N. Prospect St.</td>
</tr>
<tr>
<td>Morris Smith</td>
<td>Brunswick, Me.</td>
<td>276 North St.</td>
</tr>
<tr>
<td>Wilson Carroll Swasey</td>
<td>Waterbury</td>
<td>129 Buell St.</td>
</tr>
<tr>
<td>Luther Allen Tarbell</td>
<td>Burlington</td>
<td>38 Russell St.</td>
</tr>
<tr>
<td>Herbert Ellsworth Tomlinson, B. S.</td>
<td>Jericho</td>
<td>62 S. Union St.</td>
</tr>
<tr>
<td>Robert Percy Williams</td>
<td>Rutland</td>
<td>349 Pearl St.</td>
</tr>
<tr>
<td>Orin Vincent Wry</td>
<td>St. Albans</td>
<td>75 Loomis St.</td>
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</tbody>
</table>

### FIRST YEAR

#### Class of 1926

<table>
<thead>
<tr>
<th>John Leonard Bohon</th>
<th>Cherubusco, N. Y.</th>
<th>156 Loomis St.</th>
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</thead>
<tbody>
<tr>
<td>Paul Hemingway Brown</td>
<td>East Haven, Conn.</td>
<td>43 N. Willard St.</td>
</tr>
<tr>
<td>Jeremiah Lawrence Buckley</td>
<td>Saranac Lake, N. Y.</td>
<td>138 Colchester Ave.</td>
</tr>
</tbody>
</table>

### Note
- Addresses provided for some individuals are listed after their names.
C OLLE 'G E OF M EDI C INE

Bertha Alice Chase
Paul Dennison Clark
William Louis Deigman
Leonard D’Orlando
John Mathew Fahey
Warren William Fahey
Frank Lawrence Fletcher
Weston Chadwick Hammond
Carleton Trask Hazen

Simeon Louis Hebert
Amer Morgan Hill
John Brennan Horner, B. S.
Charles Coniff Joyce
Francis Joseph McEvoy
Horace Page Marvin
Richard Sargent O’Connell, A. B.
Stanley Carroll Pettit
Robert Frank Rich
Charles Theodore Schectman

Roland Leonard Smith
Walton Bruce Smith

Edgar Francis Stone

Runnery, N. H. 262 Pearl St.
Woodstock 88 College St.
Orange, N. J. 19 S. Union St.
Revere, Mass. 243 Colchester Ave.
Sharon, Conn. 349 Pearl St.
Sharon, Conn. 233 Colchester Ave.
Burlington Mary Fletcher Hospital
Watertown, Conn. 41 M. Converse Hall

GRADUATES, ACADEMIC YEAR 1921-1922

DOCTORS OF MEDICINE

Frank Herman Baehr, Ph. B. Wallingford, Conn.
Lee Carl Claus Burlington
Edward Joseph Corcoran Norwich, Conn.
Clarence Edward Fagan Rutland
Theodore Richards Ford East Orange, N. J.
Joseph Edward Gross Cranston, R. I.
Arthur Rush Hogan, A. B. Burlington
Claude Hill Keith New Glasgow, Nova Scotia
Karl Cornelius McMahon, B. S. Burlington
Edward Douglas McSweeney, A. B. Burlington
Raymond Henry Marcotte, A. B. Winookski
Jeremiah Herbert O’Brien Burlington
John Edward Powers Burlington
Lawrence Arthur Renchan Naugatuck, Conn.
Clair Deforest Rublee Enosburg Falls
Merton Harry Stevens, Ph. B. Winchester, Mass.

HONOR MEN

Merton Harry Stevens, Ph. B.
Edward Douglas McSweeney, A. B.
Edward Joseph Corcoran
Raymond Henry Marcotte, A. B.
Theodore Richards Ford

PRIZES FOR SPECIAL MERIT IN MEDICINE

First Prize—Merton Harry Stevens, Ph. B.
Second Prize—Edward Douglas McSweeney, A. B.

WOODBURY PRIZE FOR PROFICIENCY IN CLINICAL MEDICINE

Merton Harry Stevens, Ph. B.
MEDICAL FRATERNITIES AND SOCIETIES

Delta Mu
Corner Winooski Ave. and Main St.
(Local, Founded 1880)

Alpha Chapter of Phi Chi
Metropolitan Life Building, 176 Main St.
(Founded at University of Vermont, 1884)

Delta Chapter, Alpha Kappa Kappa
Y. M. C. A. Building
(Tau Epsilon Phi
Hayward Block
(Academic and Medical)

Cap and Skull
(Senior Medical Society, Founded 1910)

Premedic Club
(Eligible for students in the College of Arts and Sciences who are preparing to study medicine)

OFFICERS OF THE U. V. M. MEDICAL ALUMNI ASSOCIATION, 1922-1923

*President*—Dr. S. S. Eddy, ’97, Middlebury, Vt.
*First Vice-President*—Dr. G. G. Marshall, ’93, Rutland, Vt.
*Second Vice-President*—Dr. E. A. Tobin, ’05, Bennington, Vt.
*Third Vice-President*—Dr. F. E. Farmer, ’99, St. Johnsbury, Vt.
*Fourth Vice-President*—Dr. F. D. Streeter, ’12, Central Islip, L. I.
*Fifth Vice-President*—Dr. O. N. Eastman, ’08, Burlington, Vt.
*Sixth Vice-President*—Dr. Karl C. McMahon, ’22, New York City.
*Secretary-Treasurer*—Dr. Harold F. Taylor, ’17, Burlington, Vt.

*Obituary Committee*—Dr. Chester M. Ferrin, ’65, Burlington, Vt.; Dr. David Marvin, ’00, Essex Junction, Vt.; Dr. J. J. Derven, ’06, Poultney, Vt.

VERMONT DEPT. OF PUBLIC HEALTH

State Board of Health: F. Thomas Kidder, M. D., Woodstock; Chairman; William G. Ricker, M. D., St. Johnsbury; Edward J. Rogers, M. D., Pittsford; Charles F. Dalton, M. D., Secretary and Executive Officer, Burlington; C. F. Whitney, M. D., Director of Laboratory; J. W. Votey, C. E., Sanitary Engineer; C. A. Ravey, M. D., Venereal Disease
WORK OF THE STATE BOARD

The State Board of Health is responsible for the public health work of the State, including the control of communicable diseases, supervision of food and milk supplies, supervision of public water supplies, and sewage disposal, sanitation of school houses and public buildings, abatement of nuisances, educational work against tuberculosis, control of venereal diseases and registration of vital statistics. New and commodious offices have been provided in a building owned by the University of Vermont and adjacent to the College of Medicine.

It maintains the Laboratory of Hygiene at Burlington in the same building where its own work is done and employs a sanitary engineer and inspector.

The Board also maintains a research laboratory at the College of Medicine for the study of infantile paralysis and lethargic encephalitis (sleeping sickness). This work is made possible by a special fund privately donated and through this fund free care and treatment are provided for children crippled by infantile paralysis throughout the State.

The State Board of Health is intimately connected with the College of Medicine of the University, the President being a trustee of the University, and the Secretary, Professor of Hygiene, while the Director of the Laboratory of Hygiene, Doctor Whitney, is Professor of Toxicology, Assistant Professor of Physiological Chemistry and Instructor in Pathology, Dr. Charles A. Ravey, is Instructor in Venereal Diseases and C. P. Moat, Sanitary Chemist of the Board, is Instructor in Sanitary Chemistry in the College.