

1957

Boston University bulletin: School of Medicine: 1957-1958

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BOSTON
UNIVERSITY
BULLETIN



SCHOOL OF MEDICINE

1957 - 1958

BOSTON UNIVERSITY BULLETIN

School of Medicine



1957-1958

**80 EAST CONCORD STREET
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Boston University Press

Calendar

Fourth Year Class

June 3, 1957 — June 8, 1958

Assignments begin	8 A.M., Monday, June 3, 1957
*Independence Day	Thursday, July 4, 1957
*Labor Day	Monday, September 2, 1957
*University Convocation	Monday, September 30, 1957
*Columbus Day	Saturday, October 12, 1957
*Veterans' Day	Monday, November 11, 1957
*Thanksgiving Day	Thursday, November 28, 1957
*Christmas Convocation	Thursday, December 19, 1957
Christmas Recess:	
First half of class	December 23-30, 1957
Second half of class	December 30, 1957 — January 6, 1958
*Washington's Birthday	Saturday, February 22, 1958
*Founders' Day	Thursday, March 13, 1958
*Patriots' Day	Saturday, April 19, 1958
Last Day of Assignments	Saturday, May 31, 1958
School of Medicine Class Day Exercises	Saturday, June 7, 1958
University Alumni Day	Saturday, June 7, 1958
Commencement Exercises	Sunday, June 8, 1958

First, Second, and Third Year Classes

September 9, 1957 — May 24, 1958

First Semester

Registration Day:

First Year	9 A.M.-10 A.M., Monday, September 9, 1957
Second Year	10 A.M.-11 A.M., Monday, September 9, 1957
Third Year	11 A.M.-12 P.M., Monday, September 9, 1957
Opening Exercises	12 P.M.-1 P.M., Monday, September 9, 1957
Assignments begin	8 A.M., Tuesday, September 10, 1957
University Convocation	Monday, September 30, 1957
Columbus Day: classes suspended	Saturday, October 12, 1957
Veterans' Day: classes suspended	Monday, November 11, 1957
Thanksgiving Day: classes suspended	Thursday, November 28, 1957
Christmas Convocation	Thursday, December 19, 1957
Christmas Recess	1 P.M., December 21, 1957 — 8 A.M., January 2, 1958
Examination Period:	
First and Second Years	January 13-18, 1958

Second Semester

Assignments begin	8 A.M., Monday, January 20, 1958
Washington's Birthday: classes suspended	Saturday, February 22, 1958
Founders' Day	Thursday, March 13, 1958
Spring Recess	1 P.M., March 29, 1958 — 8 A.M., April 7, 1958
Patriots' Day: classes suspended	Saturday, April 19, 1958
Reading Period:	
First Year	May 14-19, 1958
Examination Period	May 19-24, 1958

* Holiday only at discretion of heads of services to which students are assigned.

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- GABRIEL J. RUBIN, B.S., M.D. 280 Independence Drive, Chestnut Hill
 Assistant Clinical Professor of Pediatrics
- PAUL M. RUNGE, B.S., M.D. 140 Marlborough Street
 Assistant Professor of Ophthalmology
- DONALD H. RUSSELL, B.S., M.D. 80 East Concord Street
 Assistant Professor of Psychiatry
- JOHN B. SACCI, A.B., M.D. 150 South Huntington Avenue
 Instructor in Medicine
- ARTHUR J. SALISBURY, B.S., M.D. 203 Commonwealth Avenue
 Instructor in Pediatrics
- MYRON SALTZ, B.A., M.A., M.D. Veterans Administration Hospital,
 Senior Teaching Fellow in Surgery Providence, R. I.
- LOUIS W. SANDER, A.B., M.D. 80 East Concord Street
 Assistant Research Professor of Psychiatry
- SAUL SCHEFF, B.S., M.D. 750 Harrison Avenue
 Assistant Professor of Radiology
- BENCEL L. SCHIFF, B.S., M.D. 351 Armistice Blvd., Pawtucket, R. I.
 Assistant Clinical Professor of Dermatology
- IRVING W. SCHILLER, M.D. 520 Beacon Street
 Assistant Professor of Medicine
- SAMUEL J. SCHMIDT, A.B., M.D. 818 Harrison Avenue
 Instructor in Anesthesiology
- EARL S. SEALE, M.D. 126 Bay State Road
 Assistant Professor of Ophthalmology
- LAZARUS SECUNDA, B.S., M.D. 144 Commonwealth Avenue
 Instructor in Psychiatry
- JOSEPH SERONDE, Jr., B.S., M.D. Laboratory Comparative Pathology, Stow
 Research Associate in Pathology

LEON N. SHAPIRO, M.D. Instructor in Psychiatry	80 East Concord Street
IRVING A. SHAUFFER, A.B., M.D. Instructor in Radiology	416 Marlborough Street
ELMER A. SHAW, B.S., M.D. Instructor in Ophthalmology	140 Marlborough Street
SHERROD W. SHAW, B.S., M.S. Instructor in Rehabilitation	296 Allston Street, Brookline
STEPHEN M. SHEA, B.Sc., M.B., M.Sc. Senior Teaching Fellow in Pathology	818 Harrison Avenue
FRANK G. SHEDDAN, Jr., B.S., M.D. Assistant Clinical Professor of Urology	1180 Beacon Street, Brookline
JOHN C. SHEEHAN, B.S., M.D. Clinical Instructor in Anesthesiology	818 Harrison Avenue
DAVID S. SHERMAN, B.S., M.D. Associate in Medicine	249 River Street, Mattapan
RUSSELL P. SHERWIN, M.D. Associate in Pathology	750 Harrison Avenue
SAMUEL SILVERMAN, A.B., M.D. Assistant Professor of Psychiatry	150 South Huntington Avenue
F. MAROTT SINEX, A.B., M.A., Ph.D. Professor of Biochemistry	80 East Concord Street
HERBERT S. SISE, A.B., M.D. Instructor in Medicine	203 Commonwealth Avenue
JOHN H. SISSON, B.A., M.D. Instructor in Medicine	203 Commonwealth Avenue
DAVID SKINNER, B.A., M.D. Assistant Professor of Pathology	2014 Washington Street, Newton Lower Falls
JAMES C. SKINNER, A.B., M.D. Assistant Professor of Psychiatry	80 East Concord Street
JOSEPH J. SKIRBALL, M.D. Clinical Professor of Ophthalmology	353 Commonwealth Avenue
EDWARD C. SMITH, A.B., M.D. Associate Professor of Pediatrics	520 Commonwealth Avenue
THOMAS C. SMITH, A.B., M.A., Ph.D. Assistant Professor of Pharmacology	80 East Concord Street
REGINALD H. SMITHWICK, B.S., M.D. Professor of Surgery	203 Commonwealth Avenue
ERNEST A. SNEDDON, A.B., M.D. Assistant Professor of Anesthesiology	750 Harrison Avenue
KONRAD H. SOERGEL, M.D. Junior Teaching Fellow in Medicine	65 East Newton Street
SHELDON C. SOMMERS, S.B., M.D. Associate Professor of Pathology	750 Harrison Avenue

YOSEUP SONG, M.D., M.S. Instructor in Pathology	Rhode Island Hospital, Providence, R. I.
LAMAR SOUTTER, A.B., M.D. Associate Professor of Surgery	80 East Concord Street
H. JUDD SPARLING, Jr., S.B., M.D. Associate in Pathology	46 Merriam Parkway, Fitchburg
EDWARD L. SPATZ, B.S., M.D. Clinical Instructor in Neurosurgery	818 Harrison Avenue
ELLIOT SPECTOR, B.S., Ph.D. Instructor in Pharmacology	80 East Concord Street
GEORGE W. B. STARKEY, B.S., M.D. Clinical Instructor in Surgery	319 Longwood Avenue
DAVID B. STEARNS, A.B., M.D. Clinical Professor of Urology	416 Marlborough Street
NORMAN S. STEARNS, A.B., M.D., A.M. Lecturer on Pharmacology	311 Commonwealth Avenue
FRITZ STECKERL, Ph.D., M.D. Instructor in Medicine	80 East Concord Street
JOSEPH STEG, A.B., M.D. Senior Teaching Fellow in Psychiatry	80 East Concord Street
RICHARD P. STETSON, A.B., M.D. Lecturer on Medicine	203 Commonwealth Avenue
CHARLES R. STEWART, M.D. Instructor in Radiology	Faulkner Hospital, Jamaica Plain
JAMES S. STILLMAN, A.B., M.D. Lecturer on Medicine	264 Beacon Street
JULIUS STOLL, Jr., B.A., M.D. Clinical Instructor in Neurosurgery	270 Benefit Street, Providence, R. I.
JOHN S. STRAUSS, B.S., M.D. Assistant Professor of Dermatology	80 East Concord Street
MAURICE B. STRAUSS, A.B., M.D. Clinical Professor of Medicine	150 South Huntington Avenue
RUSSELL B. STREET, Jr., B.S., M.D. Associate in Pathology	Quincy City Hospital, Quincy
JOHN W. STRIEDER, S.B., M.D. Clinical Professor of Surgery	1180 Beacon Street, Brookline
M. STUART STRONG, B.A., M.D., F.R.C.S. Professor of Otolaryngology	203 Commonwealth Avenue
JACOB SWARTZ, S.B., M.D. Instructor in Psychiatry	353 Commonwealth Avenue
HERBERT S. TALBOT, A.B., M.D. Lecturer on Urology	Veterans Administration Hospital, West Roxbury
DIANA YUEH-MING TAN, M.D. Assistant in Radiology	750 Harrison Avenue

- CESARE G. TEDESCHI, M.D. 150 South Huntington Avenue
Associate Professor of Pathology
- BENJAMIN TENNEY, Jr., B.S., M.D. 818 Harrison Avenue
Lecturer on Obstetrics
- CHARLES L. THAYER, M.D. 750 Harrison Avenue
Senior Teaching Fellow in Surgery
- THEODORE R. THAYER, M.D. 68 Church Green, Taunton
Assistant in Surgery
- CHARLES C. THOMPSON, B.S., M.D. 73 South Main Street, Rochester, N. H.
Assistant in Obstetrics and Gynecology
- THOMAS M. TIERNEY, Ph.B., M.D. 114 Farlow Road, Newton
Senior Teaching Fellow in Urology
- CARL B. TISCH, A.B., M.D. 818 Harrison Avenue
Assistant in Medicine
- BERNARD TOLNICK, S.B., M.D. 375 Commonwealth Avenue
Instructor in Medicine
- HOWARD M. TRAFTON, B.S., M.D. 99 Commonwealth Avenue
Clinical Instructor in Urology
- JOHN P. TREANOR, Jr., M.D. 1101 Beacon Street, Brookline
Instructor in Pediatrics
- MICHAEL J. TRISTAN, A.B., M.D. 818 Harrison Avenue
Senior Teaching Fellow in Pediatrics
- WILLIAM C. ULLRICK, B.S., M.S., Ph.D. 80 East Concord Street
Assistant Professor of Physiology
- MARTHA S. VORENBERG, B.S., M.S.S. 80 East Concord Street
Instructor in Psychiatric Social Work
- JOSEPH S. WALLACE, A.B., M.D. 520 Beacon Street
Instructor in Obstetrics
- RAYMOND J. WALTHER, B.S., M.D. 203 Commonwealth Avenue
Assistant in Medicine
- GEORGE W. WARING, Jr., B.S., M.D. 1 Craigie Street, Cambridge
Instructor in Medicine
- WALTER R. WEGNER, B.A., M.D. 818 Harrison Avenue
Associate Clinical Professor of Neurosurgery
- LOUIS WEINSTEIN, B.S., M.S., Ph.D., M.D. 136 Harrison Avenue
Lecturer on Medicine
- EDWARD J. WELCH, A.B., M.D. 1101 Beacon Street, Brookline
Assistant Clinical Professor of Medicine
- FRANCIS J. WENZLER, B.A., M.D. 449 River Street, Mattapan
Instructor in Pediatrics
- JOHN S. WHEELER, A.B., M.D. 10 Union Street, Natick
Clinical Instructor in Urology
- GERALD H. WHIPPLE, S.B., M.D. 65 East Newton Street
Instructor in Medicine

WILLIAM A. WHITCOMB, Jr., B.A., M.D. Assistant in Surgery	818 Harrison Avenue
WILLIAM A. WHITE, Jr., B.S., M.D. Assistant Clinical Professor of Surgery	270 Commonwealth Avenue
GEORGE P. WHITELAW, Ph.B., M.D. Associate Professor of Surgery	203 Commonwealth Avenue
FREDERICK G. WHORISKEY, A.B., M.D. Instructor in Pediatrics	30 Warren Street, Brighton
WILLIAM C. WIGGLESWORTH, B.S., M.D. Clinical Instructor in Surgery	70 County Road, Ipswich
SIDNEY R. WILKER, A.B., M.D. Instructor in Otolaryngology	285 Commonwealth Avenue
HUGH L. C. WILKERSON, B.S., M.D., M.P.H. Research Associate in Medicine	639 Huntington Avenue
ROBERT W. WILKINS, A.B., M.D. Professor of Medicine	65 East Newton Street
JO ANN WILSON, A.B., M.D. Instructor in Psychiatry	80 East Concord Street
EGON G. E. WISSING, M.D. Assistant Professor of Radiology	150 South Huntington Avenue
WESLEY G. WOLL, B.S., M.D. Instructor in Physical Medicine	170 Morton Street, Jamaica Plain
JAMES E. WOOD, M.D. Instructor in Medicine	65 East Newton Street
HERBERT H. WOTIZ, B.Sc., Ph.D. Associate Research Professor of Biochemistry	80 East Concord Street
MASAO YATSUHASHI, A.B., M.D. Clinical Instructor in Surgery	170 Morton Street, Jamaica Plain
NORMAN ZAMCHECK, A.B., M.D. Research Associate in Pathology	818 Harrison Avenue
BERNARD ZONDERMAN, B.S., M.D. Assistant Professor of Otolaryngology	285 Commonwealth Avenue
ANTHONY ZOVICKIAN, B.A., M.D. Instructor in Surgery	270 Commonwealth Avenue

Standing Committees of the Faculty

July 1, 1957-June 30, 1958

Executive Committee of The Faculty

CHESTER S. KEEFER, *Chairman*

LAMAR SOUTTER, *Vice Chairman*

JAMES B. HUDSON, *Executive Secretary*

EDGAR E. BAKER	WILLIAM MALAMUD
HENRY J. BAKST	G. KENNETH MALLORY
SYDNEY S. GELLIS	LANGDON PARSONS
CHARLES J. KENSLEK	F. MAROTT SINEX
ARTHUR M. LASSEK	REGINALD H. SMITHWICK
EARL R. LOEW	ROBERT W. WILKINS

General Education and Curriculum Committee

LAMAR SOUTTER, *Chairman*

EDGAR E. BAKER	ARTHUR M. LASSEK
JOHN J. BYRNE	WILLIAM MALAMUD
FRANZ J. INGELFINGER	ARNOLD S. RELMAN
CHESTER S. KEEFER, <i>ex officio</i>	
JAMES B. HUDSON, <i>ex officio</i>	

Admissions Committee

LAMAR SOUTTER, *Chairman*

JAMES B. HUDSON, *Vice Chairman*

FLOYD S. CORNELISON	FABIAN J. LIONETTI
WILLIAM E. R. GREER	ALICE LOWELL
CHESTER W. HOWE	ELIZABETH K. MOYER
STANLEY L. ROBBINS	

Animal Care Committee

ALBERT H. HEGNAUER, *Chairman*

EDGAR E. BAKER	HENRY M. LEMON
CHESTER W. HOWE	ARNOLD S. RELMAN

Library Committee

ARNOLD S. RELMAN, *Chairman*

EDGAR E. BAKER	CHARLES J. KENSLEK
I. CHARLES KAUFMAN	CHARLES W. ROBERTSON

Scholarships, Loans, and Awards Committee

JAMES B. HUDSON, *Chairman*

ELIZABETH K. MOYER	THEODORE A. POTTER
LAMAR SOUTTER, <i>ex officio</i>	

Student-Faculty Council

JAMES B. HUDSON, *Chairman*

HENRY J. BAKST	DOUGLAS A. FARMER
RICHARD D. BUSH	WILLIAM E. R. GREER
ALICE T. MARSTON	

Liaison Members

CLASS PRESIDENTS

STUDENT COUNCIL PRESIDENT

Boston University — Historical Sketch

The origin of Boston University springs from the action taken at a convention of New England friends of improved theological training, held in Boston in April, 1839. For the next twenty-eight years the School thus founded conducted its work at Newbury, Vermont, and later at Concord, New Hampshire. In 1867 it transferred to Boston where it was called the Boston Theological Seminary until it became the School of Theology in Boston University.

On May 26, 1869, the Commonwealth of Massachusetts made Isaac Rich (1801-1872), Lee Claflin (1791-1871), and Jacob Sleeper (1802-1889), their associates and successors, "a body corporate forever," under the name of the Trustees of Boston University. These three men were at that time respectively President, Vice-President, and Treasurer of the Boston Theological Seminary. All three were men of affairs, with interests widening from particular lines of business into real estate and banking. They were men of earnest concern for the common good, of unquestioned integrity, and of substantial means.

In establishing Boston University as a means of promoting virtue, piety, and learning in the useful and liberal arts and sciences, these founders were moved by a long series of American and English activities for higher education, reaching back through a century or more to Lincoln College of Oxford University. As the text for the first Baccalaureate Discourse at Boston University, the first President, William Fairfield Warren, chose the ancient motto of Oxford University: *Dominus illuminatio mea*.

Within five years after its incorporation, Boston University adopted or established seven colleges and schools. The first was the School of Theology in 1871, continuing on new foundations the work of the theological seminary which had been organized in 1839. The School of Law and the College of Music were opened in 1872. The latter closed in 1891 and was re-established in 1928. In September, 1954, the College of Music became one of the major Divisions of the new School of Fine and Applied Arts. In 1873 were established the School of Medicine, into which the New England Female Medical College was merged, and the College of Liberal Arts. The School of Oratory, also established in 1873, was discontinued in 1879. The Graduate School, then named the School of All Sciences, was opened in 1874. Articles of agreement were ratified in 1875, whereby the Massachusetts Agricultural College at Amherst became (and until 1911 continued) substantially an agricultural Department of the University.

In more recent years the Trustees have added the College of Business Administration (1913), the School of Education (1918), the School of Social Work, originally the School of Religious Education and Social Service (1919), and the

College of Practical Arts and Letters (1919), and in 1954 and 1955 the secretarial and retailing programs of this College were transferred to the College of Business Administration and the art programs to the School of Fine and Applied Arts. The Sargent School of Physical Education, the gift of Mr. and Mrs. Ledyard W. Sargent, was adopted by the University in 1929 as a division of the School of Education; in 1934 it was made one of the colleges of the University and is known as Sargent College of Physical Education. The College of General Education and the School of Nursing were established in 1946. The School of Public Relations and Communications was established in 1947 and the College of Industrial Technology in 1950. The University Summer Session was first organized in 1915, and the Evening Division in 1951. The Junior College, originally part of the College of General Education, became a separate entity in 1952.

Boston University from the first has offered equal opportunities to men and women. Its charter provides that religious opinion shall not affect the admission of students or the engagement of instructors. It has fostered, from the beginning, simple relations of mutual respect between its teachers and its students. In its internal administration it has placed its reliance not on rules and regulations but on the good taste, good judgment, and good will of its members. In its aims, whether liberal or vocational, it has greatest concern for high standards of scholarship and of personal character. Its deepest purpose is the advancement of public welfare through wider knowledge, finer skill, and broader appreciation of human values.

Boston University School of Medicine

Boston University School of Medicine, established in 1873, is a coeducational institution. Buildings and endowment of the New England Female Medical College, which had been in existence since 1848, were transferred by Act of the Massachusetts Legislature in 1874.

Requirements for Admission

A candidate for admission to the School of Medicine should send his application to the Office of Admissions of Boston University School of Medicine, 80 East Concord Street, Boston 18, Massachusetts. Applications may be filed sixteen to six months prior to the date of registration for the first-year class. An application fee of \$5.00 should be remitted with the completed application blank.

Applicants are required to have a Bachelor of Arts or Bachelor of Science degree from an approved college of arts and sciences. Occasionally, a candidate of unusual ability is accepted after attendance for three academic years in an undergraduate school if he has satisfactorily completed the minimum entrance requirements of ninety semester hours including the following courses:

English (8 hours)	Physics (8 hours)
General inorganic chemistry (8 hours)	Biology (8 hours)
Organic chemistry (8 hours)	

Candidates are required to take the Medical College Admission Test and request that the final scores be sent to the School. The individual should communicate directly with the Educational Testing Service, Box 592, Princeton, New Jersey, for information concerning this test.

Applicants should be under thirty years of age. Graduates from other professional schools are not usually considered eligible for admission.

Students are urged to secure a broad, general education in college and at the same time attempt to advance beyond the elementary level in the subject of their individual interest, whether it be in the arts or in the sciences. It is not recommended that students try to anticipate subjects that will be required in medical school.

Advanced Standing. Admission to the third-year class is possible for those who meet the entrance requirements and who have satisfactorily completed courses in another medical school that are the equivalent of those offered in this School. Applicants for advanced standing are required to pass the Part I Examination of the National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia 2, Pennsylvania.

Foreign Students. Foreign students are not considered eligible for admission unless they have satisfactorily completed at least one year of study in a college of

arts and sciences approved by the Council on Medical Education and Hospitals of the American Medical Association. They must fulfill the entrance requirements and pass the Part I Examination of the National Board of Medical Examiners.

Promotion

PROMOTION COMMITTEES

Promotion Committees are appointed for the first, second, and third years. It is the duty of these Committees to promote those qualified; to warn students whose work is of low grade; in certain cases to require that students repeat a year's work; and to recommend that unpromising students withdraw from the School. A student wishing to appeal a Promotion Committee decision will be given opportunity to appear for a hearing at a special meeting held within two weeks of the Committee's action. Applications for a hearing should be sent to the Assistant Dean.

The Promotion Committees constitute the final authority on student ratings, and no final grades are issued by any department before the action of the Committee for the particular year.

RULES GOVERNING PROMOTION:

1. The faculty reserves the right to require the withdrawal of any student at any time when, in the opinion of his instructors, he is unfit to continue his course.

2. An average of 75 per cent or more with no grade below 70 per cent in any subject is required for promotion or graduation.

3. If a student has a grade below 70 per cent in one or more subjects, he must, before promotion, obtain a satisfactory grade in those subjects by re-examination or repetition of the course as determined by the Promotion Committee. *As a general policy no re-examination will raise the grade above 70 per cent, but this policy does not apply in cases in which an entire course is repeated.*

4. If a student is unable to attain a weighted average of 75 per cent by means of such re-examinations, the Promotion Committee shall determine disposition. Past dispositions have included termination of enrollment for poor scholarship, permission to repeat acceptable courses in summer session wherever available, and permission to repeat the entire year.

5. A student whose weighted grade average is lower than 75 per cent at the end of the first semester shall be warned of his deficiency.

Absence from Assignments

A student who is absent from school assignments must inform the Assistant Dean's office promptly of the reason for the absence and its expected duration.

Requirements for the Degree

Every candidate for the degree of Doctor of Medicine at this University must be at least twenty-one years of age and of good moral character. He must have

fulfilled all the requirements for admission to this School; give evidence of having been enrolled in a recognized medical school at least four full academic years, two of which must have been spent in the regular third- and fourth-year courses of this School; have passed all the required examinations; and have discharged all financial obligations to the University.

Every candidate is also required to take the Part I and Part II Examinations of the National Board of Medical Examiners.

The degree of Doctor of Medicine is awarded on recommendation of the faculty and may be granted *cum laude*, *magna cum laude*, or *summa cum laude* in recognition of outstanding academic achievement.

Internships

Most state examining and licensing boards require a year of internship in an approved hospital in addition to the regular four-year course. All fourth-year students are urged to participate in the National Intern Matching Program. The appointments obtained by last year's graduating class appear in connection with the class lists published in this Bulletin.

Requests for Transcripts of Academic Records

Each graduate or former student of the School of Medicine will be furnished free of charge one complete transcript of his academic record. Subsequent transcripts will be furnished at a charge of \$1.00 each. These transcripts are confidential records forwarded to the agency requesting them and not to the alumnus himself. It will be necessary, therefore, to include the name and address of the agency when writing to the office at 80 East Concord Street, Boston 18, Massachusetts.

University Charges 1957-58

Tuition.....	\$1,000.00
Graduation Fee.....	25.00

Schedule of Payment

Fourth Year Class

First Semester		Second Semester	
June 3, 1957.....	\$250.00	January 20, 1958.....	\$250.00
October 7, 1957.....	250.00	April 7, 1958.....	250.00

First, Second, and Third Year Classes

First Semester		Second Semester	
September 9, 1957.....	\$250.00	January 20, 1958.....	\$250.00
November 4, 1957.....	250.00	April 7, 1958.....	250.00

A penalty charge of \$5.00 is made to students who do not pay their tuition within a week after the date set for each payment.

Special Fees

Breakage. Breakage of laboratory material is charged at the discretion of the individual department.

Transcripts. For students in the second, third, and fourth years there is a charge of \$1.00 to cover the cost of transcripts and duplicating.

Graduation Fee. The graduation fee of \$25.00 is payable four weeks before the close of the senior year.

National Board Fees. Part I and registration, including subscription of \$1.00 to <i>The Diplomat</i>	\$25.00
Part II, including <i>The Diplomat</i>	20.00

The Trustees of the University reserve the right to change tuition rates and to make additional charges for special features and services whenever in their discretion such action is deemed advisable. Special fees are not returnable in the event that a student severs his connection with the University.

Withdrawal from the School

To receive a credit on his tuition account, any student registered in the School of Medicine who finds it necessary to withdraw from his course of study must submit a formal notice, in writing, to the Assistant Dean. When his withdrawal has been duly processed and the Bursar of the University so notified by the Assistant Dean, his account will be credited as follows:

Withdrawal within two weeks of registration	80% of tuition charge
Withdrawal within three weeks of registration	60% of tuition charge
Withdrawal within four weeks of registration	40% of tuition charge
Withdrawal within five weeks of registration	20% of tuition charge
Withdrawal five weeks after registration	No credit allowed

Application for reinstatement must be made at least four months prior to the date of readmission and for favorable action must be approved by the Promotion Committee. After two years, favorable action will not usually be taken.

Student Microscopes

In addition to prescribed instruments and textbooks, all students are required to provide themselves with a standard medical microscope, equipped with 5x and 10x oculars, four objectives (oil immersion, 4mm, 16mm, and a low power objective of 25-32 mm focal length), a mechanical stage, and a microscope lamp.

Student Health Service

The Student Health Service for medical students is available at the Health Clinic of the Massachusetts Memorial Hospitals. It has been necessary to separate this Service from the regular University Student Health Service because of difficul-

ties caused by the distance between the School of Medicine and other units of the University.

A Health Statement will be sent to each applicant upon acceptance by the School of Medicine. It is requested that this be filled out and returned *before registration day*. On admission to the School, all students are given a complete physical examination by physicians assigned by the Student Health Service.

Sick students who are ambulatory may be seen daily from 8:30 A.M. to 9:30 A.M. or, in emergencies, at other hours at the Evans Memorial Examining Room. Sick students who are nonambulatory can be seen in their rooms by the Home Medical Service of the Department of Preventive Medicine if they live in the district around the School of Medicine.

The University offers a voluntary medical care insurance program. All students are urged to obtain this protection against possible costs of medical care.

Housing

Boston University has three student residences for men and fifteen for women. The School of Medicine has available in the Office of Admissions a selected list of rooming houses and apartments. For further information students may apply to the office of the Assistant Dean.

Scholarships, Loans, and Awards

Scholarship funds are available and are awarded annually on the basis of industry, proved ability, and need. Loans are also available. Applications for scholarships or loans for a given academic year should be submitted between September first and October first to the Assistant Dean, Chairman of the Committee on Scholarships and Loans.

Scholarship Funds

Alumni Scholarships. Granted by the Alumni Association of Boston University School of Medicine.

Bailey-Crane Fund. Received in 1906 from the estate of Elizabeth Bellamy Bailey; the income to be used for scholarships for women.

Lucius Clapp Fund. Received in 1901 from Lucius Clapp; the income to be used for scholarships.

Harry Cline Memorial Scholarship. Established in 1956; the conditions of the Scholarship are that the income is to be awarded annually to an entering student only, that the recipient is to be a student in the School of Medicine, and that the award is to be made without restriction as to race, creed, or color.

Dr. Emil Custer Fund. Received in 1924; the income to be used for scholarships.

Julia F. Fillebrown Fund. Received in 1904; the income to be used for scholarships for women.

Morris Fruitman Scholarship Fund. Received in 1949 from the estate of Morris Fruitman and from Mrs. Fruitman; the income to be used to assist needy and worthy students.

The Garfield Fund. Raised by Dr. I. Tisdale Talbot, a former Dean of the School of Medicine, for the establishment of a scholarship.

Dr. Clara E. Gary Fund. Raised by Dr. Gary; completed in 1924; the income to be used for scholarships for medical students.

E. Gordon Glass Memorial Fund. Received in 1954; to be awarded annually to a student who has demonstrated qualities of high ideals and motivation.

Dr. William D. and Annie Lee Horton Bequest. Received in 1930; the income to be used in establishing scholarships for young men of Catholic faith.

Abigail W. Howe Fund. Received in 1906; the income to be used in establishing a scholarship.

Stephen Stickney Fund. A gift from Mrs. Mary M. H. Spaulding; received in 1905, to establish the Stephen Stickney Scholarship for Women.

Mae and Benjamin Swig Fund. Received in 1943; the yearly income to be awarded annually to a worthy and deserving student or students.

Nettie O. Tassie Fund. Received in 1948 from the estate of Nettie O. Tassie through the interest of Dr. Mabel C. Sisson, Class of 1899; the income to be used for scholarships for women.

Clara A. Thacher Fund. Received in 1903 as a bequest for the establishment of a scholarship fund.

The Wade Fund. Received by transfer from The New England Female Medical College in 1873 for the establishment of scholarships for women.

Helen West Fund. Received in 1938 from the estate of Dr. Helen West of the Class of 1896; the income to be available for scholarships.

Maria L. D. Wilson Fund. Received in 1905 from the estate of Mrs. Maria L. D. Wilson to establish a scholarship for women.

Loan Funds

Edward E. Allen Fund. A loan fund for medical students, established in 1925 by vote of the Advisory Committee of the School of Medicine in memory of Dr. Edward E. Allen, a former Registrar of the School of Medicine.

Bartol Fund. Received in 1942 from Miss Dorothy Bartol for loans to women medical students.

Charles H. Hood Dairy Foundation Fund. Established by a grant made in 1942 for loans to students of advanced standing.

W. K. Kellogg Foundation Fund. A permanent loan fund received in 1942 for the aid of medical students.

James Lawlor Fund. Established in 1957 by the staff of the former Otis General Hospital in memory of Dr. James Lawlor.

George Russell Fund. Given by Dr. George Russell in 1884 to establish a loan fund for medical students. No loan is to exceed \$50.00.

Moses Jacob Stone Fund. Established in 1953, by Miriam C. Stone in memory of her husband, Dr. Moses Jacob Stone; to be used as a loan fund for students in need of financial assistance while attending medical school.

Student Aid Foundation Fund. Beginning in 1942, loans from this fund have been available to medical students.

Fenno Tudor Fund. Established in 1886 under the will of Mrs. Fenno Tudor; a loan fund for women medical students. No loan is to exceed \$50.00.

Charles H. Howard Loan Fund. Loans from this fund available to any student in the University.

School of Medicine Loan Fund. Established in 1948 by a friend of the School and subsequently augmented by other friends. Loans are available to medical students only.

In addition, there are numerous other loan funds not under the control of the University but from which loans are awarded on the recommendation of University authorities. Information concerning these funds may be secured in the Office of the Assistant Dean.

Awards

Maimonides Award of the Greater Boston Medical Society. This award of \$50.00 is to be made to an outstanding student at the School of Medicine selected by the Dean at the end of the academic year.

Harry Weinstein Prize in Internal Medicine. Established in 1948 by Dr. Louis Weinstein as a memorial to his father. It consists of an award of \$50.00 to be presented annually to the medical student graduating with the best scholastic record in Internal Medicine, taking into consideration the work of the second, third, and fourth years. The award is announced in connection with the School of Medicine Class Day Exercises.

Masakichi Itabashi Award. Established in 1953 as a memorial by the family and friends of the late Masakichi Itabashi for the purpose of increasing our knowledge of cancer and furthering research in this field. An annual prize of \$50.00 will be awarded for the best undergraduate thesis on the subject of cancer.

Student Council

The Student-Faculty Council, consisting of representatives from the faculty and all four classes, meets twice a month throughout the academic year. Its aim is to promote social activities between the classes and act in an advisory capacity to students and faculty. The Council also functions as a liaison between students of other colleges in the University and other medical schools.

Organizations

Alpha Omega Alpha is an honorary society, and Alpha Kappa Kappa, Phi Chi, Phi Delta Epsilon, Phi Lambda Kappa, and the Student American Medical Association are national medical organizations with chapters at Boston University School of Medicine. The Begg Society is Boston University School of Medicine's honorary society. The Gregory Society is an organization for women medical students. Boston University School of Medicine Wives Club was organized in 1948. Representatives from the School of Medicine serve on the Boston University Student-Faculty Assembly and the Hub Board, which publishes the student yearbook.

Clinical Facilities

The Boston City Hospital

The Boston City Hospital is located adjacent to the School of Medicine. Its bed capacity is upwards of 1,809, and the daily average number of patients treated is approximately 1,265. The annual number of patients treated in the outpatient department is more than 83,364.

The teaching facilities are shared with the medical schools of Harvard University and Tufts University. Boston University teaching is conducted on the wards of the Fifth and Sixth Medical Services, the Third Surgical Service, and the Obstetrical and Pediatric Services. In addition, teaching is done in certain divisions of the outpatient department.

Massachusetts Memorial Hospitals

Massachusetts Memorial Hospitals, incorporated in 1855, is a nonsectarian, general hospital of the medical-center type, operated on a voluntary, nonprofit basis. Patient accommodations are available for 360 adults and children and 40 infants. Most of the members of the hospital staff are also on the faculty of the School of Medicine.

Patient Care

Hospital and medical care is provided for acute medical, surgical, and obstetrical conditions by the members of fifteen separate medical and surgical staffs, representing all the major divisions of medicine and most of the specialties.

With a capacity of 120 beds, the Haynes Department of Infectious Diseases in Brighton assists in meeting the infectious disease needs in eastern Massachusetts and provides facilities for poliomyelitis and tuberculosis patients.

Thirty-five outpatient clinics providing ambulatory care and treatment to those who cannot afford a private physician are held regularly. With the co-operation of Boston University School of Medicine, a Home Medical Service provides medical care in the home to the indigent sick in Boston's South End area.

Education

Massachusetts Memorial Hospitals serves as a principal teaching hospital for Boston University School of Medicine. Close relationships and adjacent physical facilities provide convenient access to personnel and resources of both institutions.

The hospital is approved for internship training by the Council on Medical Education and Hospitals of the American Medical Association. All residencies and assistant residencies are either approved by the Council or are in the approval process.

The hospital also conducts a School of Nursing, courses for medical and X ray technologists, and field work affiliations for social service workers, dietitians, administrators, and ministers.

Research

A comprehensive research program including basic and applied projects is carried on in the Evans Memorial Department of Clinical Research and Preventive Medicine and in the Smithwick Foundation on surgical research. Extensive investigations encompass the fields of cardiovascular disease, cancer, radioactive isotopes, hematology, gastroenterology, clinical immunology, infectious diseases, metabolism and endocrinology, and radiology.

With these inclusive activities in the care of sick people, medical education, and research, the Massachusetts Memorial Hospitals has designed its program to integrate medical care, with emphasis on research and education, by developing and extending its service not only in the hospital, but also in the office, the clinic, and the home.

Pondville Hospital

The Pondville Hospital, located in Walpole, is one of the State-supported hospitals for cancer patients. Outpatient facilities have also been made available for student teaching. A clinical clerkship of four weeks is offered to a limited number of fourth-year students.

Boston State Hospital

Located in Mattapan and operated under the aegis of the Massachusetts Department of Mental Health, this large, modern institution is well equipped in every way for the study and care of the mentally ill and offers exceptional opportunities for teaching.

Lemuel Shattuck Hospital

The Lemuel Shattuck Hospital, located in Jamaica Plain, is a State-supported institution for the medical care of chronic disease. It is a special rehabilitation hospital where residents of Massachusetts who have been disabled by injury or chronic illness can be made well enough to become self-sufficient and self-supporting. Its research and training programs and staff appointments are under the direction of a Deans' Committee. Instruction of Boston University students is carried out on various services including Radiology, Surgery, and Physical Medicine.

Veterans Administration Hospitals

The Boston Veterans Administration Hospital, located in Jamaica Plain, is a well-equipped, 950-bed general hospital. Its training program and medical staff appointments are under the direction of a Deans' Committee consisting of the Deans of Boston University School of Medicine, Tufts University School of Medicine, and Harvard Medical School. The teaching facilities are shared by the first two of these schools. Instruction of Boston University students is carried out on the Medical, Surgical, Psychiatric, and Neurological Services.

The Providence Veterans Administration Hospital, located in Providence, Rhode Island, has 393 beds assigned to various specialties. A clinical clerkship in surgery on an elective basis is available to Boston University students.

Huggins Hospital

Located in Wolfeboro, New Hampshire, this is a new, well-equipped hospital of a 60-bed capacity, fully approved by the American College of Surgeons. It serves a wide rural area.

Judge Baker Guidance Center

The Judge Baker Guidance Center is a center to which children who evidence emotional, educational, and behavior difficulties may be sent for diagnosis and treatment. It is partially supported by grants from the United Community Services, the rest of its income coming from invested capital funds and special grants. Approximately 1,300 children and their families are given help each year at the Center. The Center works in close professional co-operation with all of the child-serving agencies of Greater Boston and with hospitals, courts, and public schools.

The James Jackson Putnam Children's Center

The James Jackson Putnam Children's Center is a child guidance clinic which gives psychiatric, diagnostic, and treatment services to infants and preschool children (and their parents) suffering from emotional problems and personality deviations. A nursery school is run as part of the clinic. The numbers accepted are not large because treatment given is very intensive and the research aspects of the work are emphasized. It is partially supported by grants from the United

Community Services, of which it is a member, and derives the rest of its income from foundations and private individuals. The Center works in close professional co-operation with child-serving agencies of Greater Boston, hospitals, doctors, and others interested in the emotional problems of the preschool child.

Libraries

The Library of the School is located on the second floor of the administration building in close proximity to classrooms and laboratories. It contains approximately 30,000 volumes and receives regularly in the neighborhood of 500 current periodicals and serial publications. All the important indexing publications are available. Well-selected monographs as well as new journal titles are constantly being added to the files. Equipment is available for the use of microfilms and microcards as well as photocopying. Extensive interlibrary loan service is maintained with distant cities and locally with messenger service between the Boston Medical Library, the Chenery Library on the main campus of the University, and the Harvard Medical Library. A well-trained staff is on hand to give aid to the reader.

A small branch library is housed on the sixth floor of the Evans Memorial. The Library serves not only the medical school but also the Massachusetts Memorial Hospitals and several teaching services of the Boston City Hospital.

Throughout the second semester of the freshman year, round-table instruction in medical bibliography is given to groups of ten to twelve students. A bibliographical laboratory is set up enabling each student to explore the books under discussion. Following this instruction, each group is required to prepare an annotated bibliography on a topic assigned by the Department of Biochemistry as a part of the laboratory work of this course. In the second year, the student prepares a paper covering some phase of Pharmacology based on the current literature, and in the third year each student writes a thesis in Medicine. Outstanding Medicine III papers are catalogued and become part of the collection.

The Boston Medical Library located at 8 The Fenway is one of the largest medical libraries in the United States. Its facilities are available to medical students and those in good standing are eligible for student membership at a fee of \$5.00 a year.

Library Hours

During the school year:	
Monday-Friday	8:00 A.M.-10:00 P.M.
Saturday	8:00 A.M.- 5:00 P.M.
Sunday	2:00 P.M.- 5:00 P.M.
June, July, and August:	
Monday-Friday	9:00 A.M.-10:00 P.M.
Vacation periods:	
Monday-Friday	9:00 A.M.- 5:00 P.M.
Saturday	9:00 A.M.-12 NOON
Holidays:	Closed

Graduate School — Division of Medical Sciences

The faculty of the School of Medicine forms an integral part of the Graduate School of Boston University. Graduate training in the Division of Medical Sciences is planned to provide candidates of ability with the opportunity to fit themselves for a professional career in teaching and research in the field of medical science. Graduates with the Ph.D. or A.M. degree qualify for positions in academic, governmental, industrial, and research institutions. Candidates for the Ph.D. degree are required to enroll in a number of the preclinical courses offered to medical students. In addition, they are given training and experience in teaching, research, and publication of original investigations. Further details will be found in the Graduate School catalogue. Application forms may be obtained from the Dean of the Graduate School, 725 Commonwealth Avenue, Boston 15, Massachusetts.

Various departments in the Division of Medical Sciences offer stipends, particularly to the advanced graduate student who has made satisfactory progress in scholastics, teaching, and research. Application for such stipends should be made before April first, to the individual department in which graduate study and research are to be pursued.

Departments of Instruction

The curriculum is arranged in a more or less traditional pattern with most of the first two years devoted to the preclinical sciences, the last two years being essentially clinical in nature. Various opportunities, however, have been developed for early associations of a clinical nature. Psychiatry, for example, begins in the first year and continues throughout the curriculum. Ample opportunity for elective courses is provided mainly in the third and fourth years. Of note is a supervised experience in the care of patients in their own homes which begins in the third year and is followed by an intensive one-month experience in the fourth year. A recent development is a program in Human Ecology which is a combined teaching effort by the Departments of Obstetrics, Pediatrics, Preventive Medicine, and Psychiatry. This occurs in the fourth year and is centered on the period of early growth and development. During this experience, an attempt is made to increase the breadth of understanding and depth of insight of the maturing medical student by developing an ecological approach to the total health needs of the individual.

Anatomy

ARTHUR M. LASSEK, Ph.D., M.D., Waterhouse Professor of Anatomy and Chairman of the Department

WILLIAM C. BARRETT, JR., Ph.D., Associate Professor of Anatomy

ELIZABETH K. MOYER, Ph.D., Associate Professor of Anatomy

ENSIO K. F. RONKA, M.D., Associate Professor of Applied Anatomy

JOHN D. IFFT, Ph.D., Assistant Professor of Anatomy

NORMAN LENSON, M.D., Instructor in Applied Anatomy

WILLIAM F. McNARY, JR., Ph.D., Instructor in Anatomy

Required Courses

FIRST YEAR

The entire program of the first semester is devoted to the study of the anatomy of the human body. For this purpose the students study the gross and microscopic structure in a sequence that is designed to give the maximal amount of correlation.

Gross Anatomy. Four students dissect one human body. The study of the skeleton is carried on with the dissection and the students are provided with loan collections of the various bones. Although the subject is treated in its broadest aspects, emphasis is placed upon points of practical importance. Each week there are roentgenological and clinical correlation lectures with practical demonstrations presented by practicing physicians. In addition, selected anatomical movies are shown.

First semester. 300 hours. DRs. MOYER, IFFT, LASSEK, BARRETT, and LENSON.

Microanatomy. A course in human microscopic anatomy comprising a study of cells, tissues, and organs. The correlation of structure with function is emphasized as are the basic aspects of human development. Loan collections are provided.

First semester. 160 hours. DRs. BARRETT and McNARY.

Neuroanatomy. The human brain and spinal cord are studied by means of dissection, demonstrations, and prepared specimens. A study of the distribution and function of the more important fiber-tracts is based upon microscopic examination of sections of the brain-stem and spinal cord.

First semester. 62 hours. DRS. LASSEK, MOYER, and IFFT.

Biochemistry

F. MAROTT SINEX, Ph.D., Professor of Biochemistry and Chairman of the Department
 WILLIAM C. BOYD, Ph.D., Professor of Immunochemistry
 JOSEPH M. LOONEY, M.D., Research Professor of Biochemistry
 ISAAC ASIMOV, Ph.D., Associate Professor of Biochemistry
 FABIAN J. LIONETTI, Ph.D., Associate Professor of Biochemistry
 HERBERT H. WOTIZ, Ph.D., Associate Research Professor of Biochemistry
 M. MOIRA DAVISON REYNOLDS, Ph.D., Assistant Research Professor of Biochemistry
 NATHAN KANTOR, Ph.D., Instructor in Biochemistry
 MILTON MAGER, Ph.D., Instructor in Biochemistry
 WILLIAM L. MCLELLAN, JR., Ph.D., Instructor in Biochemistry
 ROBERT B. ARONSON, A.B., Junior Teaching Fellow in Biochemistry
 EDWARD J. PASTORE, A.M., Junior Teaching Fellow in Biochemistry
 ORLAND B. REYNOLDS, A.M., Junior Teaching Fellow in Biochemistry

Required Courses

FIRST YEAR

Aspects of biochemistry pertinent to human metabolism and its disturbances are presented in a series of lectures. Starting with proteins, those substances which make up the structure of the human body are first described, followed by those which act to control its function — enzymes and hormones. Growth and metabolism are then presented in detail, followed by a consideration of the deficiency diseases and of the chemical responses of the body to infection. Interspersed in this series of lectures are expositions of those aspects of theoretical chemistry found useful in dealing with biological systems.

The experiments in the laboratory emphasize the application of chemical analysis to physiological and clinical material.

Second semester. 262 hours. THE STAFF.

Dermatology

HERBERT MESCON, M.D., Professor of Dermatology and Chairman of the Department
 ALFRED HOLLANDER, M.D., Assistant Clinical Professor of Dermatology
 WALTER J. McDONOUGH, M.D., Assistant Clinical Professor of Dermatology
 SALVATORE J. MESSINA, M.D., Assistant Clinical Professor of Dermatology
 BENCEL L. SCHIFF, M.D., Assistant Clinical Professor of Dermatology
 JOHN S. STRAUSS, M.D., Assistant Professor of Dermatology
 G. ROBERT BALER, M.D., Clinical Instructor in Dermatology
 DAVID W. FOLAN, M.D., Clinical Instructor in Dermatology
 HARRIET D. JAMES, M.D., Clinical Instructor in Dermatology
 ARTHUR B. KERN, M.D., Clinical Instructor in Dermatology

ROBERT A. MAIN, M.D., Instructor in Dermatology
 FRANK M. O'CONNOR, M.D., Clinical Instructor in Dermatology
 ALFRED S. LANES, M.D., Assistant in Dermatology
 SYLVIA F. COLLINS O'CONNOR, M.D., Assistant in Dermatology
 JOSEPH J. PALERMO, M.D., Assistant in Dermatology

Required Courses

FIRST AND SECOND YEARS

Lectures on skin anatomy, biochemistry, bacteriology and mycology, physiology, pathology, and pharmacology are given in the respective basic science courses.

THIRD YEAR

Dermatology. Lectures on the etiology, pathologic physiology, symptoms, and treatment of diseases of the skin.

8 hours. THE STAFF.

Clinical Dermatology. Students are assigned to the outpatient clinic of the Massachusetts Memorial Hospitals where it is possible to demonstrate all of the common and many of the unusual dermatoses. Co-operation with the medical and surgical departments makes available for study the cutaneous manifestations of systemic diseases.

Class in sections. 36 hours. THE STAFF.

Elective Courses

THIRD YEAR

Syphilis. Discussions covering certain fundamental and practical aspects of the infection. Massachusetts Memorial Hospitals.

4 hours. DR. WARING.

FOURTH YEAR

Dermatology. A four-week clinical clerkship, full time, is offered to a limited number of students by the Department of Dermatology of the Massachusetts Memorial Hospitals. Opportunities are available for part-time clinical work in the outpatient department at the Boston City Hospital. Students are encouraged to participate in research projects of their own choosing or in those undertaken by the staff.

THE STAFF.

Medicine

CHESTER S. KEEFER, M.D., Wade Professor of Medicine and Chairman of the Department

ROBERT W. WILKINS, M.D., Professor of Medicine and Vice Chairman of the Department

JAMES M. FAULKNER, M.D., Clinical Professor of Medicine

MAURICE B. STRAUSS, M.D., Clinical Professor of Medicine

CHARLES P. EMERSON, M.D., Associate Professor of Medicine

BERNARD I. GOLDBERG, M.D., Associate Professor of Medicine

DANIEL HOLZMAN, M.D., Associate Clinical Professor of Medicine

FRANZ J. INGELFINGER, M.D., Associate Professor of Medicine
KERMIT H. KATZ, M.D., Associate Professor of Medicine
HENRY M. LEMON, M.D., Associate Professor of Medicine
FRANCIS C. LOWELL, M.D., Associate Professor of Medicine
ARNOLD S. RELMAN, M.D., Associate Professor of Medicine
NORMAN H. BOYER, M.D., Assistant Professor of Medicine
BELTON A. BURROWS, M.D., Assistant Professor of Medicine
HAROLD L. CHANDLER, M.D., Assistant Professor of Medicine
WILLIAM FRANKLIN, M.D., Assistant Professor of Medicine
MEYER H. HALPERIN, M.D., Assistant Clinical Professor of Medicine
GERALD J. HINE, Ph.D., Assistant Professor of Medicine
PHILIP KRAMER, M.D., Assistant Professor of Medicine
SAMUEL E. LEARD, M.D., Assistant Professor of Medicine
JULIUS LITTER, M.D., Assistant Professor of Medicine
IVER S. RAVIN, M.D., Assistant Professor of Medicine
HENRY N. ROSENBERG, M.D., Assistant Professor of Medicine
ISADORE N. ROSENBERG, M.D., Assistant Professor of Medicine
IRVING W. SCHILLER, M.D., Assistant Professor of Medicine
EDWARD J. WELCH, M.D., Assistant Clinical Professor of Medicine
THEODORE B. BAYLES, M.D., Lecturer on Medicine
CHARLES D. BONNER, M.D., Lecturer on Medicine
HERMAN A. LAWSON, M.D., Lecturer on Medicine
JOHN P. RATTIGAN, M.D., Lecturer on Medicine
JACK D. ROSENBAUM, M.D., Lecturer on Medicine
RICHARD P. STETSON, M.D., Lecturer on Medicine
JAMES S. STILLMAN, M.D., Lecturer on Medicine
LOUIS WEINSTEIN, M.D., Lecturer on Medicine
EDNA M. FOLLENSBY, Ph.D., Research Associate in Medicine
SAMUEL J. KOWAL, M.D., Associate in Medicine
JOHN F. McMANUS, M.D., Associate in Medicine
DAVID S. SHERMAN, M.D., Associate in Medicine
HUGH L. C. WILKERSON, M.D., Research Associate in Medicine
MORTON S. BERK, M.D., Instructor in Medicine
DANIEL J. BLEIFER, M.D., Instructor in Medicine
DONNELL W. BOARDMAN, M.D., Instructor in Medicine
SAMUEL C. COHEN, M.D., Instructor in Medicine
JOSEPH R. FROTHINGHAM, M.D., Instructor in Medicine
JOB E. FUCHS, M.D., Instructor in Medicine
JACOB L. GRUND, M.D., Instructor in Medicine
WILLIAM HOLLANDER, M.D., Instructor in Medicine
WILLIAM E. HUCKABEE, M.D., Instructor in Medicine
JAMES B. HUDSON, M.D., Instructor in Medicine
EZRA LAMDIN, M.D., Instructor in Medicine
ELIHU I. LEWIS, M.D., Instructor in Medicine
ALICE LOWELL, M.D., Instructor in Medicine
JACOB J. MATLOFF, M.D., Instructor in Medicine
RICHARD H. MEADE, M.D., Instructor in Medicine
THEODORE J. MEDREK, M.D., Instructor in Medicine
ALAN L. MICHELSON, M.D., Instructor in Medicine
AARON MILLER, M.D., Instructor in Medicine
MARVIN L. MITCHELL, M.D., Instructor in Medicine
HELEN S. PITTMAN, M.D., Instructor in Medicine

MELVIN H. RODMAN, M.D., Instructor in Medicine
MELVIN D. ROSEMAN, M.D., Instructor in Medicine
JOHN B. SACCI, M.D., Instructor in Medicine
HERBERT S. SISE, M.D., Instructor in Medicine
JOHN H. SISSON, M.D., Instructor in Medicine
FRITZ STECKERL, M.D., Instructor in Medicine
BERNARD TOLNICK, M.D., Instructor in Medicine
GEORGE W. WARING, JR., M.D., Instructor in Medicine
GERALD H. WHIPPLE, M.D., Instructor in Medicine
JAMES E. WOOD, M.D., Instructor in Medicine
ROBERT L. BEILMAN, M.D., Assistant in Medicine
CHARLES J. CATALDO, M.D., Assistant in Medicine
ARAM VAN CHOBANIAN, M.D., Assistant in Medicine
JAY D. COFFMAN, M.D., Assistant in Medicine
WILLIAM P. COLPOYS, M.D., Assistant in Medicine
SETH C. CROCKER, M.D., Assistant in Medicine
FRANCIS W. DRINAN, M.D., Assistant in Medicine
EDWIN ENGLERT, JR., M.D., Assistant in Medicine
BERTRAM FLESHLER, M.D., Assistant in Medicine
KENNETH M. GRAHAM, M.D., Assistant in Medicine
PHILIP W. HALL, M.D., Assistant in Medicine
HENRY S. HARVEY, M.D., Assistant in Medicine
STANLEY E. HERRICK, JR., M.D., Assistant in Medicine
HERBERT P. MINKEL, M.D., Assistant in Medicine
ROBERT O. OSEASOHN, M.D., Assistant in Medicine
PAUL I. OSSEN, M.D., Assistant in Medicine
JOHN B. O'SULLIVAN, M.R.C.P., Assistant in Medicine
LLOYD G. POTTER, JR., M.D., Assistant in Medicine
CARL B. TISCH, M.D., Assistant in Medicine
RAYMOND J. WALTHER, M.D., Assistant in Medicine
WILLIAM D. ASHWORTH, M.D., Research Fellow in Medicine
JEROME B. BLOCK, M.D., Research Fellow in Medicine
JOSEPH R. BOVE, M.D., Research Fellow in Medicine
GEORGE W. GORHAM, M.D., Research Fellow in Medicine
LAURAN D. HARRIS, M.D., Research Fellow in Medicine
JACOB LEMANN, JR., M.D., Research Fellow in Medicine
SELVYN B. BLEIFER, M.D., Senior Teaching Fellow in Medicine
ALBERT J. DIAB, M.D., Senior Teaching Fellow in Medicine
DAVID EISENBERG, M.D., Senior Teaching Fellow in Medicine
JACK N. FREYHOF, M.D., Senior Teaching Fellow in Medicine
ROMULO B. GUEVARA, JR., M.D., Senior Teaching Fellow in Medicine
PAUL G. HUGENHOLTZ, M.D., Senior Teaching Fellow in Medicine
SIGMUNDUR G. MAGNUSSON, M.D., Senior Teaching Fellow in Medicine
CHAIM I. MAYMAN, M.D., Senior Teaching Fellow in Medicine
THOMAS E. OLSON, M.D., Senior Teaching Fellow in Medicine
ANTONIO PAVIA, M.D., Senior Teaching Fellow in Medicine
LEONARD GARREN, M.D., Junior Teaching Fellow in Medicine
PAUL W. GORDON, JR., M.D., Junior Teaching Fellow in Medicine
PAUL J. KILLORAN, M.D., Junior Teaching Fellow in Medicine
DAVID E. LEHR, M.D., Junior Teaching Fellow in Medicine
KONRAD H. SOERGEL, M.D., Junior Teaching Fellow in Medicine

Required Courses

The instruction given by the Department of Medicine consists of lectures, clinics, conferences, and practical work in the outpatient departments and wards of the hospitals. Throughout the course an attempt is made to correlate the work of the pre-clinical years with those problems that are concerned with the clinical investigation and treatment of the patient. The courses and lectures are so arranged that there is a correlation between the teaching of clinical medicine, surgery, special pathology, physical medicine, and therapeutics. Special emphasis is placed on the methods of diagnosis, treatment, and the course of disease. The course in medicine begins in the second semester of the second year after the students have completed all of the courses in the basic medical sciences except special pathology, which is continued throughout the second year. The course continues then throughout the third and fourth years of the medical curriculum.

Second Year. During the second half of the second year, a number of lectures and demonstrations are given as an introductory course in medicine. The techniques of history taking and physical and laboratory examinations are presented. The students are divided into small groups for instruction in physical diagnosis and are carefully supervised. The lectures and demonstrations are correlated with special and pathologic physiology. The main emphasis is placed on the techniques of various examinations and a correlation of the basic sciences with clinical methods and interpretations.

Third Year. During the third year, internal medicine is covered by lectures, clinics, and clinicopathological conferences for the whole class. The practical instruction is carried out in the medical wards and outpatient departments of the Boston City Hospital and the Massachusetts Memorial Hospitals. Instruction in the care and management of pulmonary tuberculosis is given at the Channing Home. The students are divided into small groups, and their work is supervised by instructors who are assigned especially to this duty. Frequent conferences between the clinical staff and the X-ray Department are held.

Fourth Year. In the fourth year, the students serve as clinical clerks on the medical wards of the hospitals. Ward rounds, clinics, and conferences in pathology, therapeutics, social service, and dietetic problems are held regularly.

Elective Courses

An opportunity is given for students to select certain special courses on an elective basis. The courses are designed to provide special instruction in various subjects under the direction of a specialist.

Required Courses

SECOND YEAR

Clinical Medicine. Lectures and demonstrations.

Second semester. 31 hours. DR. RELMAN and ASSOCIATES.

Physical Diagnosis and History Taking. Lectures and section teaching.

Second semester. 141 hours. DR. KATZ and ASSOCIATES.

Clinical Pathology. Lectures and laboratory exercises.

Second semester. 90 hours. DR. RELMAN and ASSOCIATES.

THIRD YEAR

Lectures on Internal Medicine and Medical Therapeutics.

66 hours. DRs. KEEFER, WILKINS, INGELFINGER, LOWELL, RELMAN, EMERSON, LEMON, and STAFF.

Medical Clinics. Boston City Hospital and Massachusetts Memorial Hospitals.

27 hours. DRs. KEEFER, KATZ, and ASSOCIATES.

Clinical Medicine. Exercises in the wards and outpatient departments of the Massachusetts Memorial Hospitals and the Boston City Hospital.

Class in sections. 144 hours. THE STAFF.

Venereal Diseases. Each student is assigned for two hours on one day during the third year to the Genitoinfectious Disease Clinic of the Massachusetts Memorial Hospitals. Instruction in the more important aspects of the venereal diseases is accomplished by seminars and by having students participate in the work of the Clinic. Lectures on the subject are also given by a member of the department in the regular third-year medical-surgical lecture series.

Class in sections. 2 hours. DR. McDONOUGH and ASSOCIATES.

Clinical Pathological Conferences. Boston City Hospital and Evans Memorial.
32 hours. DRs. INGELFINGER, MALLORY, and SOMMERS.

FOURTH YEAR

Clinical Medicine. The sections of the class are arranged in three groups and assigned for clinical clerkships and ward walks.

Group A. Wards, Medical Service, Massachusetts Memorial Hospitals, Evans Memorial.

8 weeks. 384 hours. DRs. KEEFER, WILKINS, INGELFINGER, LOWELL, RELMAN, LEMON, EMERSON, and ASSOCIATES.

Group B. Wards, 5th and 6th Medical Services, Boston City Hospital.

8 weeks. 384 hours. DRs. KATZ and ASSOCIATES.

Group C. Wards, Medical Service, Boston Veterans Administration Hospital.

8 weeks. 384 hours. DR. STRAUSS and ASSOCIATES.

Communicable Diseases. Wards, John C. Haynes Memorial, Massachusetts Memorial Hospitals.

4 weeks. 200 hours. DR. MEADE and STAFF.

Elective Courses

THIRD YEAR

Allergy in Clinical Medicine. Lectures and demonstrations covering the theoretical and clinical aspects of the common allergic conditions.

10 hours. DR. F. C. LOWELL.

FOURTH YEAR

General Medicine. A clinical clerkship of one or two months in a 60-bed rural hospital. The student has an opportunity to observe and participate in the hospital side of general practice under favorable conditions and careful supervision.

The Huggins Hospital, Wolfeboro, New Hampshire. DR. RALPH H. ADAMS.

Microbiology

EDGAR E. BAKER, Ph.D., Professor of Microbiology and Chairman of the Department
MATTHEW A. DEROW, M.D., Ph.D., Assistant Professor of Microbiology
ALICE T. MARSTON, Ph.D., Assistant Professor of Microbiology
CHARLES G. COLBURN, M.D., Lecturer on Microbiology
SIDNEY KIBRICK, M.D., Lecturer on Microbiology
HARRY E. BOWEN, Ph.D., Senior Teaching Fellow in Microbiology

Required Courses

SECOND YEAR

The course in microbiology covers three interrelated fields: bacteriology, including viruses, rickettsiae, and fungi; immunology; and parasitology. The three fields are taught as a unit but for catalogue purposes are described here separately.

The aim is to impart an understanding of the etiology and pathogenesis of the infectious diseases of man, the general characteristics of the infectious process, and the technical procedures by which this knowledge is acquired and infectious diseases are diagnosed in the laboratory. The public health aspects of the various infectious diseases are considered with particular reference to epidemiology and preventive medicine.

Laboratory instruction includes the elements of bacteriological technique, observation of the characteristic properties of the commoner microorganisms cultivable in the laboratory, and experiments illustrating certain principles in pathogenesis, diagnosis, and specific treatment of infectious diseases.

Bacteriology. The characteristics of the principal bacteria infectious for man are considered in detail; the course also includes limited consideration of rickettsiae, fungi, and viruses of importance in human disease.

First semester. 165 hours. THE STAFF.

Immunology. The principles and mechanisms of immunologic phenomena, and their bearing on the host-parasite relationship, are considered both separately and in relation to bacteriology and parasitology.

First semester. 30 hours. THE STAFF.

Parasitology. This course aims to familiarize the student with the important diseases due to animal parasites, with special attention to those of importance in the United States and its possessions. Essential knowledge concerning biology, epidemiology, and clinical and laboratory diagnosis of diseases due to animal parasites is presented through lectures and laboratory exercises.

First semester. 45 hours. THE STAFF.

Extension Course

Advanced Microbiology for Medical Technicians. DR. ALICE T. MARSTON.

The course includes lectures and laboratory work. A previous course in elementary bacteriology and a working knowledge of general techniques used in diagnostic laboratories are required. The instructor in charge will determine the applicant's fitness to participate in the course. Enrollment limited.

Mondays and Thursdays, 7:00 to 9:00 P.M. 15 weeks, January through May.
Fees: Full course — \$50.00 (including \$5.00 laboratory fee). Lectures only — \$30.00.

Course is offered in alternate years. Omitted in 1958.

Neurology

CHARLES A. KANE, M.D., Professor of Neurology and Chairman of the Department
 FRED A. QUADFASEL, M.D., Associate Professor of Neurology
 WALTER J. FRIEDLANDER, M.D., Assistant Professor of Neurology
 LEONARD D. OSLER, M.D., Assistant Professor of Neurology
 JUSTIN M. HOPE, M.D., Lecturer on Psychiatry and Neurology
 DONALD E. BOWEN, M.D., Instructor in Neurology

Required Courses

SECOND YEAR

Neuropathology. This course consists of ten hours of lectures and twenty of laboratory work. The first few sessions review the neuroanatomy and neurophysiology necessary for an understanding of neuropathology. Subsequent lectures deal with the reaction of the nervous system to disease, and in the laboratory gross and microscopic pathologic anatomy is studied.

Second semester. 30 hours. DRS. KANE, HOPE, OSLER, and STAFF.

THIRD YEAR

Neurology. Lectures and case presentations are used to introduce the students to clinical neurology. Emphasis is placed on the more common disorders of the nervous system and the nervous manifestations of the general medical conditions.

20 hours. DRS. KANE, QUADFASEL, HOPE, OSLER, and guest lecturers.

Clinical Neurology. The class is divided into small groups and, under the guidance of an instructor, spends its time on the medical wards of the Boston City Hospital and Veterans Administration Hospital examining patients. The purpose of this course is to train the students at the bedside in the technique and interpretation of the neurological examination.

Class in sections. 24 hours. DRS. KANE, QUADFASEL, OSLER, BOWEN, FRIEDLANDER, and STAFF.

FOURTH YEAR

Clinical Neurology. While the students are taking medicine, weekly sessions are given to small groups at the Boston City Hospital and the Massachusetts Memorial Hospitals. Cases are presented to the instructor and general discussion is encouraged. Neurological visits are given also at the Haynes Memorial for the benefit of the students and the house staff.

16 hours. DRS. KANE and OSLER.

Elective Courses

THIRD AND FOURTH YEARS

Summer Clerkships. An opportunity is made available to suitable and interested students to complete a brief research project with compensation provided by an N.I.H. grant in the sum of \$600 for two months' work. Candidates are selected on the basis of their grades in the courses in neuropathology and neurology and after an interview

with the Chairman of the Department. In this way, it is hoped that promising students will become acquainted early in their medical careers with the challenging problems of neurological medicine and perhaps be stimulated to go into this field.

DR. KANE and STAFF.

FOURTH YEAR

Neurology. A four-week clerkship is offered at the Boston Veterans Administration Hospital from September through May. Only one student will be accepted for each period.

DRS. QUADFASEL, FRIEDLANDER, and STAFF.

Obstetrics and Gynecology

LANGDON PARSONS, M.D., Professor of Obstetrics and Gynecology and Chairman of the Department

ARCHIE A. ABRAMS, M.D., Associate Professor of Obstetrics and Gynecology

ANDREW D. ELIA, M.D., Assistant Clinical Professor of Obstetrics and Gynecology

MARCOS A. GODINEZ, M.D., Assistant Professor of Obstetrics and Gynecology

BURTON C. GRODBERG, M.D., Assistant Professor of Gynecology

JAMES F. KENNEY, M.D., Assistant Professor of Obstetrics and Gynecology

BERNARD LEDERMAN, M.D., Assistant Clinical Professor of Obstetrics

OWEN C. MULLANEY, M.D., Assistant Professor of Obstetrics

BENJAMIN TENNEY, JR., M.D., Lecturer on Obstetrics

DAVID E. KOPANS, M.D., Associate in Obstetrics and Gynecology

JOSEPH F. ARICO, M.D., Instructor in Obstetrics and Gynecology

MAX J. BULIAN, M.D., Instructor in Obstetrics and Gynecology

ROBERT V. DANDROW, M.D., Instructor in Obstetrics and Gynecology

ROBERT J. FALLON, M.D., Instructor in Obstetrics and Gynecology

ARTHUR C. GORBACH, M.D., Instructor in Obstetrics and Gynecology

HANNAH-JANE C. MACMILLAN, M.D., Instructor in Gynecology

JOSEPH S. WALLACE, M.D., Instructor in Obstetrics

FRANK CESARE, M.D., Assistant in Gynecology

WALTER S. CLOUGH, M.D., Assistant in Obstetrics and Gynecology

ERNEST P. DAVIDOW, M.D., Assistant in Obstetrics and Gynecology

WALDO L. FIELDING, M.D., Assistant in Obstetrics and Gynecology

JOHN GARRY, M.D., Assistant in Obstetrics and Gynecology

JOHN L. MORRISON, M.D., Assistant in Obstetrics and Gynecology

CHARLES C. THOMPSON, M.D., Assistant in Obstetrics and Gynecology

Required Courses

Instruction given by the Department of Obstetrics and Gynecology consists of lectures, seminars, conferences, ward rounds, and clinical work with inpatients and outpatients. Integration of basic scientific knowledge and clinical application is stressed. The courses and lectures are so arranged that emphasis is placed on the correlation between the physiology and pathology of pregnancy, labor, and the puerperium, and the physiology, disorders, and diseases of the female generative tract. Instruction is given in the second, third, and fourth years.

Obstetrics

SECOND YEAR

Normal Obstetrics. Lectures are presented throughout the year to impart the theory and principles of normal obstetrics. Genetics, embryology, and steroid chemistry are stressed and the study of abnormal obstetrics follows.

First semester. 15 hours. *Second semester.* 15 hours. DR. ABRAMS and ASSOCIATES.

THIRD YEAR

Obstetrics. This course deals with the complicated problems in obstetrics and includes the appraisal of diseases associated with pregnancy and a study of injuries and malformations of the newborn. An insight into the social trends in obstetrics is emphasized.

13 hours. DR. ABRAMS and ASSOCIATES.

Demonstrations and Practical Operative Procedures. Manikin exercises cover normal and abnormal presentations as well as the mechanisms of labor, delivery, version, and extraction. The practical application of pelvimetry to the mechanics of labor will be stressed.

Class in sections. 12 hours. DR. WALLACE.

Prenatal and Postnatal Clinics. Small sections consisting of eight students attend the outpatient clinic at the Massachusetts Memorial Hospitals three mornings each week for a period of one month. They are instructed in the technique of patient examination, mensuration, and history taking. The diagnosis and treatment are discussed. Student-patient relations are encouraged.

Class in sections. 24 hours DR. KENNEY and ASSOCIATES.

Clinical Obstetrics. All students are assigned to the Obstetrical Services at the Boston City Hospital and the Massachusetts Memorial Hospitals for a four-week period. Daily morning seminar, case studies, and ward rounds are included, together with opportunities to observe deliveries.

Class in sections. 30 hours. DR. ABRAMS and ASSOCIATES.

Gynecology

THIRD YEAR

Gynecology. The twenty lectures include a systematic study of the physiology and pathology of the female genital tract. The etiology, diagnosis, and treatment of the more common disease-entities and gynecological disorders are discussed. The broad interpretation between gynecology and general medicine is emphasized.

20 hours. DR. PARSONS and ASSOCIATES.

Gynecological Outpatient Clinics. Students are given clinical instruction two mornings weekly in the Massachusetts Memorial Hospitals Outpatient Department by the resident and visiting staff. The students take histories, make abdominopelvic examinations, and become familiar with general principles of gynecologic treatment.

Class in sections. 16 hours. DR. KENNEY and ASSOCIATES.

Clinical Gynecology. Students participate in seminar discussions for three mornings each week throughout the month at both the Boston City Hospital and the Massa-

chusetts Memorial Hospitals. Subjects discussed supplement the material presented at formal lectures. Interesting cases are presented on ward visits by the visiting and resident staff.

Class in sections. 30 hours. DR. PARSONS and ASSOCIATES.

FOURTH YEAR

Clinical Obstetrics and Gynecology. All students serve as clinical clerks for a period of one month, divided equally between obstetrics and gynecology, during which time they serve on the wards and in the delivery and operating rooms. Ward rounds and small group conferences are held daily with the visiting and resident staff. Fundamental principles and practical considerations are taught by observation and actual participation in the care of the patient. The clinical facilities of the Massachusetts Memorial Hospitals, the Boston City Hospital, and the U. S. Naval Hospital, Chelsea, are used in this program.

The clinical studies are integrated with the Human Ecology Program to which students are assigned for periods of sixteen weeks (see description page 64).

200 hours. THE STAFF.

Ophthalmology

TRYGVE GUNDERSEN, M.D., Professor of Ophthalmology and Chairman of the Department

JOSEPH J. SKIRBALL, M.D., Clinical Professor of Ophthalmology

A. WILLIAM COLLINSON, M.D., Assistant Professor of Ophthalmology

PAUL M. RUNGE, Assistant Professor of Ophthalmology

EARL S. SEALE, M.D., Assistant Professor of Ophthalmology

MORTON BEDRICK, M.D., Instructor in Ophthalmology

HOWARD A. BLAZAR, M.D., Instructor in Ophthalmology

MAURICE E. CHAGNON, M.D., Instructor in Ophthalmology

LESTER L. COVELL, M.D., Instructor in Ophthalmology

FREDERICK L. LANDRIGAN, M.D., Instructor in Ophthalmology

JOHN M. McIVER, M.D., Instructor in Ophthalmology

ELMER A. SHAW, M.D., Instructor in Ophthalmology

MITCHELL E. KFOURY, M.D., Assistant in Ophthalmology

JOHN R. MERRICK, M.D., Assistant in Ophthalmology

JACOB RICE, M.D., Assistant in Ophthalmology

Required Courses

The work in this department begins in the third year. Demonstrations through diagrams, models, stereograms, and special preparations amplify the textbook study. Emphasis is placed upon the intimate relation of this subject to the various branches of medicine. The clinical work in the outpatient department is demonstrated to small groups of students and covers history taking, diagnostic procedures, therapeutic application, necessary laboratory consultations, local and state medical regulations, the elements of refraction, and operative procedures. A special point is made to study the common extraocular diseases, iritis, glaucoma, etc. Students are taught to use the ophthalmoscope for observation of intraocular conditions, and they are shown the practical importance of its use in the diagnosis of general medical conditions. A practical clinical examination is given at the end of each third-year clinical assignment.

THIRD YEAR

Lectures. One hour each week.
6 hours. DR. GUNDERSEN and ASSOCIATES.

Clinical Ophthalmology. Outpatient department and operating room observation at the Massachusetts Memorial Hospitals with a practical examination on completion of clinical instruction.

Class in sections. 36 hours. THE STAFF.

Orthopedic and Fracture Surgery

KENNETH CHRISTOPHE, M.D., Assistant Professor of Orthopedic and Fracture Surgery and Acting Chairman of the Department

ALBERT B. FERGUSON, M.D., Associate Professor of Orthopedic and Fracture Surgery

JOSEPH H. BURNETT, M.D., Assistant Professor of Fracture Surgery

THEODORE A. POTTER, M.D., Assistant Professor of Orthopedic and Fracture Surgery

JOHN G. KUHN, M.D., Sc.D., Lecturer on Orthopedic Surgery

RONALD W. ADAMS, M.D., Instructor in Orthopedic and Fracture Surgery

JOSEPH W. COPEL, M.D., Instructor in Orthopedic and Fracture Surgery

ROBERT S. HORMELL, M.D., Instructor in Orthopedic and Fracture Surgery

ROBERT B. BRENDZE, M.D., Assistant in Orthopedic and Fracture Surgery

FORREST N. MADDIX, JR., M.D., Assistant in Orthopedic and Fracture Surgery

Required Courses

This course covers the diagnosis, treatment, and prevention, when possible, of injuries and diseases affecting the spine and extremities. It includes treatment of all fractures except those of the skull, with special attention to the deforming action of muscles upon fractures at different levels.

THIRD YEAR

Orthopedic and Fracture Surgery. Lectures and demonstrations.

12 hours. DRs. FERGUSON, CHRISTOPHE, KUHN, ADAMS, HORMELL, POTTER, and COPEL.

Clinical Orthopedic and Fracture Surgery.

Massachusetts Memorial Hospitals, Outpatient Department.

Class in sections. 36 hours. DRs. CHRISTOPHE, POTTER, HORMELL, MADDIX, COPEL, and BRENDZE.

Boston City Hospital, Outpatient Department.

Class in sections. 12 hours. DR. BURNETT and ASSOCIATES.

Robert Breck Brigham Hospital.

Class in sections. 2 hours. DRs. KUHN and POTTER.

Elective Course

FOURTH YEAR

Orthopedics. A four-week course is offered in fractures and associated orthopedic conditions during which time the students learn the principles involved in the handling of fractures, methods of reduction, and operating. They participate in X ray and other conferences and assist in the reduction of both closed and open fractures.

Boston City Hospital. DR. BURNETT.

Otolaryngology

M. STUART STRONG, M.D., F.R.C.S., Professor of Otolaryngology and Chairman of the Department

NATHAN L. FINEBERG, M.D., Clinical Professor of Otolaryngology

BERNARD ZONDERMAN, M.D., Assistant Professor of Otolaryngology

KENDALL B. CROSSFIELD, M.D., Instructor in Otolaryngology

SIDNEY R. WILKER, M.D., Instructor in Otolaryngology

Required Courses

Third-year lectures cover fundamental principles of diagnosis and treatment of common otolaryngological diseases with specific emphasis on etiology and pathology. Clinical instruction for two weeks brings the student in contact with actual cases in the outpatient departments and in the hospitals.

Lectures. One hour each week.

6 hours. DRs. STRONG, FINEBERG, ZONDERMAN, CROSSFIELD, and WILKER.

Clinical Otolaryngology. The class is divided into sections, each one for a period of two weeks. Instruction is given for five days each week at the Massachusetts Memorial Hospitals, and one day at the Boston Veterans Administration Hospital.

Class in sections. 36 hours. DRs. STRONG, FINEBERG, ZONDERMAN, CROSSFIELD, and WILKER.

Elective Course

FOURTH YEAR

Clinical Otolaryngology. Under the supervision of the teaching staff of this department, a four-week course is offered during which time the students work actively with patients in the outpatient departments and on the wards of the hospitals. There is opportunity for assisting with operations. Not more than two students can be accepted for any one month.

Massachusetts Memorial Hospitals. DRs. STRONG, FINEBERG, ZONDERMAN, WILKER, and STAFF.

Pathology

G. KENNETH MALLORY, M.D., Professor of Pathology and Chairman of the Department

STANLEY L. ROBBINS, M.D., Professor of Pathology and Vice Chairman of the Department

DONALD A. NICKERSON, M.D., Clinical Professor of Pathology

HERBERT FANGER, M.D., Associate Professor of Pathology

LESLIE S. JOLLIFFE, M.D., C.M., Associate Professor of Pathology

SHELDON C. SOMMERS, M.D., Associate Professor of Pathology

CESARE G. TEDESCHI, M.D., Associate Professor of Pathology

JAMES H. GRAHAM, M.D., Assistant Professor of Pathology

RUDOLF OSGOOD, M.D., Assistant Professor of Pathology

DAVID SKINNER, M.D., Assistant Professor of Pathology

RICHARD FORD, M.D., Lecturer on Legal Medicine

IRVING GLICKMAN, D.M.D., Lecturer on Dental Pathology

GEOFFREY P. KEANE, M.D., Associate in Pathology

OLGA C. LEARY, M.D., Associate in Pathology

JOSEPH SERONDE, JR., M.D., Research Associate in Pathology

RUSSELL P. SHERWIN, M.D., Associate in Pathology

H. JUDD SPARLING, JR., M.D., Associate in Pathology
 RUSSELL B. STREET, JR., M.D., Associate in Pathology
 NORMAN ZAMCHECK, M.D., Research Associate in Pathology
 SAMUEL B. BURGESS, M.D., Instructor in Pathology
 CHARLES N. CURTIS, M.D., Instructor in Pathology
 GILBERT H. FRIEDEL, M.D., Instructor in Pathology
 ROGER T. GILLCRIST, M.D., Instructor in Pathology
 LEONARD S. GOTTLIEB, M.D., Instructor in Pathology
 MILTON DEW. HOWARD, M.D., Instructor in Pathology
 FRANCIS J. McMAHON, M.D., Instructor in Pathology
 JOHN A. PETERS, M.D., Instructor in Pathology
 YOSEUP SONG, M.D., Instructor in Pathology
 ALYCE L. BEZMAN, M.D., Research Fellow in Pathology
 RICHARD A. MACDONALD, M.D., Senior Teaching Fellow in Pathology
 DOUGLAS A. NELSON, M.D., Senior Teaching Fellow in Pathology
 STEPHEN M. SHEA, M.Sc., Senior Teaching Fellow in Pathology

Required Courses

SECOND YEAR

General and Special Pathology. The course in general pathology deals with the fundamentals of pathology. Lectures and textbook work are supplemented by an intensive course in histopathology and by the study of preserved and fresh specimens. The course in special pathology deals with the phenomena of diseases as they affect the various organs and systems, emphasis being placed on clinical-pathological relationships. Fresh and preserved material is studied to correlate histopathology with gross and clinical findings.

First semester. 132 hours. *Second semester.* 141 hours. DRs. MALLORY, ROBBINS, and ASSOCIATES.

THIRD YEAR

Clinical-Pathological Conferences. One hour each week is devoted to a consideration of case histories depicting major pathological entities. Cases are discussed from the standpoint of differential diagnosis and treatment. Pathological and X-ray findings are presented. Free discussion by students and visiting clinicians is invited.

31 hours. DRs. MALLORY, SOMMERS, and ASSOCIATES.

Legal Medicine. Course of lectures. One hour each week.

12 hours. DR. FORD and ASSOCIATES.

Practical Pathology. Each group visits the Mallory Institute of Pathology three times a week for four weeks. Here necropsies are demonstrated and surgical pathology is reviewed.

Class in sections. 36 hours. DR. ROBBINS.

Elective Course

FOURTH YEAR

A four-week elective course from October through April is offered at the Mallory Institute of Pathology. Not more than two students can be accepted for any one month. Its purpose is to allow those electing it to see all surgical and autopsy material and participate in all conferences during that period. Each student in this elective course must provide himself with an adequate microscope.

Pediatrics

SYDNEY S. GELLIS, M.D., Professor of Pediatrics and Chairman of the Department
 EDWARD C. SMITH, M.D., Associate Professor of Pediatrics
 H. ARTHUR BERSON, M.D., Assistant Professor of Pediatrics
 CHARLES V. PRYLES, M.D., Assistant Professor of Pediatrics
 GABRIEL J. RUBIN, M.D., Assistant Clinical Professor of Pediatrics
 JAMES W. DOW, M.D., Lecturer on Pediatrics
 JOHN T. BOWERS, JR., M.D., Instructor in Pediatrics
 A. NATHAN CAPLAN, M.D., Instructor in Pediatrics
 ROBERT A. DRISCOLL, M.D., Instructor in Pediatrics
 DICK HOEFNAGEL, M.D., Instructor in Pediatrics
 GEORGE KAHN, M.D., Instructor in Pediatrics
 HERBERT J. KAUFMAN, M.D., Instructor in Pediatrics
 NINA LITTON, M.D., Instructor in Pediatrics
 RUTH M. PHILLIPS, M.D., Instructor in Pediatrics
 JAMES W. REDMOND, M.D., Instructor in Pediatrics
 ARTHUR J. SALISBURY, M.D., Instructor in Pediatrics
 JOHN P. TREANOR, JR., M.D., Instructor in Pediatrics
 FRANCIS J. WENZLER, M.D., Instructor in Pediatrics
 FREDERICK G. WHORISKEY, M.D., Instructor in Pediatrics
 BERNARD A. BERMAN, M.D., Assistant in Pediatrics
 ROBERT FRANKLIN, M.D., Assistant in Pediatrics
 LEON E. KRUGER, M.D., Assistant in Pediatrics
 JOHN B. LYNCH, M.D., Assistant in Pediatrics
 DONALD J. ANNINO, M.D., Senior Teaching Fellow in Pediatrics
 GEORGE A. GLINES, M.D., Senior Teaching Fellow in Pediatrics
 MANUEL INGALL, M.D., Senior Teaching Fellow in Pediatrics
 MONTE H. KOWALL, M.D., Senior Teaching Fellow in Pediatrics
 ROBERT W. MONCRIEFF, M.D., Senior Teaching Fellow in Pediatrics
 MICHAEL J. TRISTAN, M.D., Senior Teaching Fellow in Pediatrics

Required Courses

The instruction in this department includes lectures on growth and development, nutrition, diseases of nutrition, and pathological conditions not covered in the other sections of general medicine. Clinical instruction is given in the hospital wards or outpatient departments and clinical clerkships in the various departments of the hospital.

The didactic instruction is completed in the third year and clinics in the hospital and outpatient department are begun. The work of the fourth year is entirely clinical.

THIRD YEAR

Lectures. Lectures on growth and development and the particular problems encountered in infancy and childhood.

15 hours. DR. GELLIS and ASSOCIATES.

Ward Teaching. Morning and afternoon ward teaching exercises, conferences, and seminars are held at the Boston City Hospital and the Massachusetts Memorial Hospitals.

Class in sections. 48 hours. THE STAFF.

FOURTH YEAR

Clinical Pediatrics. Sections are assigned to the Pediatric Service of the Boston City Hospital for clinical work on the wards and in the outpatient department, teaching rounds, and conferences.

4 weeks. 200 hours. THE STAFF.

Pharmacology and Experimental Therapeutics

CHARLES J. KENSLER, Ph.D., Professor of Pharmacology and Chairman of the Department

EDWARD W. PELIKAN, M.D., Associate Professor of Pharmacology

THOMAS C. SMITH, Ph.D., Assistant Professor of Pharmacology

EARL H. DEARBORN, Ph.D., M.D., Lecturer on Pharmacology

WALTER W. JETTER, M.D., Lecturer on Toxicology

JAMES G. MILLER, Ph.D., D.V.Sc., Lecturer on Pharmacology

ALBERT J. PLUMMER, Ph.D., M.D., Lecturer on Pharmacology

NORMAN S. STEARNS, M.D., Lecturer on Pharmacology

ROBERT W. BROWN, M.D., Instructor in Pharmacology

ELLIOT SPECTOR, Ph.D., Instructor in Pharmacology

JOHN G. FERRANTE, M.S., Assistant in Pharmacology

LEON GOLDSTEIN, Ph.D., Assistant in Pharmacology

Required Courses

SECOND YEAR

Medical Pharmacology. Lectures, conferences, demonstrations, and laboratory exercises are utilized to present the pharmacological properties, toxic manifestations, and therapeutic applications of those agents which are important in the practice of medicine. Particular emphasis is placed on general principles and on the quantitative aspects of the subject.

First semester. 190 hours. THE STAFF.

Physiology

EARL R. LOEW, Ph.D., Professor of Physiology and Chairman of the Department

ALBERT H. HEGNAUER, Ph.D., Professor of Physiology

DAVID E. BASS, Ph.D., Associate Research Professor of Physiology

ALFRED B. CHAET, Ph.D., Assistant Professor of Physiology

WILLIAM C. ULLRICK, Ph.D., Assistant Professor of Physiology

EVANGELOS T. ANGELAKOS, Ph.D., Instructor in Physiology

EUGENE A. LENTINI, A.M., Senior Teaching Fellow in Physiology

Required Courses

FIRST YEAR

Lectures and conferences on the functional activity of the organ-systems and on factors controlling the metabolism of body-fluids, with emphasis upon the homeostatic mechanisms involved. In the laboratory experimental approach is made to the fundamental phases of irritability and to mechanisms regulating the physiology of the cardio-

vascular system, body-fluids, respiration, digestion, excretion, and the central nervous system. An introduction to methods of statistical analysis is included. With the co-operation of the clinical staff, hospital patients are presented and discussed one hour each week with emphasis placed on correlation of physiological and biochemical principles with pathology and medicine.

Second semester. 280 hours. THE STAFF.

Preventive Medicine

HENRY J. BAKST, M.D., Professor of Preventive Medicine and Chairman of the Department

JOHN H. CAULEY, M.D., M.P.H., Assistant Professor of Public Health and Preventive Medicine

EDWARD G. DREYFUS, M.D., M.P.H., Assistant Professor of Preventive Medicine

WILLIAM E. R. GREER, M.D., Assistant Professor of Occupational Medicine

EDWARD F. MARRA, M.D., M.P.H., Assistant Professor of Preventive Medicine

PHILIP D. BONNET, M.D., Lecturer on Health Services

JOHN F. CONLIN, M.D., M.P.H., Lecturer on Preventive Medicine

DEBORAH H. BARUS, M.S., Instructor in Medical Social Work

CONSTANCE C. CORNOG, M.D., Instructor in Preventive Medicine

MURRAY M. FREED, M.D., Instructor in Physical Medicine and Rehabilitation

GEORGE M. LANE, M.D., Instructor in Occupational Medicine

SHERROD W. SHAW, M.S., Instructor in Rehabilitation

WESLEY G. WOLL, M.D., Instructor in Physical Medicine

Required Courses

The department is responsible for instruction in preventive medicine and public health, for the supervision and instruction of students during the period in which they administer medical care to indigent patients at home, and for instruction in rehabilitation and physical medicine as well as in occupational medicine. The department endeavors to make students aware of their responsibility to the individual patient and to the community in the prevention of illness and the maintenance of health, of the proper relationship and mutual assistance between the private physician and public health agencies, and of the importance of social and environmental factors in disease prevention and health promotion. The department has a strong clinical orientation which is of importance in the presentation of preventive medicine from a clinical point of view. An introduction to biostatistics is presented during the first and second years by arrangement with other departments. Most of the formal instruction by the department is in the third year and includes the course in preventive medicine and public health, occupational health, and rehabilitation and physical medicine. In the fourth year students spend a month under the supervision of the department administering medical care to indigent patients in their homes in the area surrounding the school. The department also administers a combined teaching program in Human Ecology in which the Departments of Obstetrics, Pediatrics, Psychiatry, and Preventive Medicine participate. This activity takes place in the fourth year.

THIRD YEAR

Preventive Medicine and Public Health. The course includes consideration of environmental sanitation, epidemiology and preventive aspects of communicable diseases, child and adult hygiene, official and voluntary health agencies and the proper

relationship between these agencies and the private physician, social and environmental factors in illness, and important aspects of medical care and medical economics. Every effort is made to stress the importance of preventive medicine not only from the standpoint of the community but particularly from the standpoint of the individual patient with whom the private physician is concerned. Instruction is given by the staff of the department and visiting specialists by lectures, seminars, and clinics.

64 hours. DR. BAKST and ASSOCIATES.

Occupational Health. An introduction to the field of occupational health designed to provide a fundamental understanding of health problems associated with occupation and to delineate areas of effective control. The course deals with the definition of the needs and scope of occupational medicine, legal and social attitudes, the fundamentals of industrial medical practice, and principles of industrial medical service organization. Industrial safety, common industrial diseases, and health problems are given special emphasis.

16 hours. DRS. GREER, LANE, and ASSOCIATES.

Rehabilitation and Physical Medicine. A survey of problems and modalities in physical medicine and rehabilitation including consideration of the management of conditions such as arthritis, amputation, spinal cord injuries, degenerative and neuromuscular disease, and normal and abnormal gait. The specific techniques and procedures utilized in the rehabilitation of patients are reviewed including methods of diagnosis and treatment, physical and occupational therapy, social and emotional adjustment of the handicapped, and speech training.

16 hours. DRS. FREED, WOLL, and ASSOCIATES.

FOURTH YEAR

Social and Environmental Medicine (Home Medical Service). Students are assigned in groups of four or five for a period of one month to this Service, which is conducted by the Department of Preventive Medicine of the School of Medicine and the Home Medical Service of the Massachusetts Memorial Hospitals. Medical care is furnished in the home by the students to indigent patients in a district (population approximately 56,000) surrounding the Boston City Hospital and the Massachusetts Memorial Hospitals. Last year approximately 18,000 home visits were made to about 7,000 patients. The care of patients is carefully supervised by resident physicians so that many problems can be adequately cared for in the home. Much assistance is afforded by the Visiting Nurse Association, the South End Health Unit of the Boston City Health Department, and the Social Service Department of the Massachusetts Memorial Hospitals. Patients requiring hospitalization are hospitalized in the Boston City Hospital or the Massachusetts Memorial Hospitals where their follow-up by the students on the Service can be continued. Daily conferences on the clinical aspects of cases seen on the district are conducted in addition to special conferences on psychosomatic and social service problems. Social and environmental factors in illness, unusually prominent in these patients, are stressed.

4 weeks. 200 hours. DR. BAKST and ASSOCIATES.

Human Ecology. A combined teaching activity in which the Departments of Obstetrics, Pediatrics, Preventive Medicine, and Psychiatry participate. This course is designed to unite the special interests of these four departments as they focus on the period of early human growth and development. Special attention is given to the influence of social, emotional, and environmental factors which may affect the course of pregnancy, delivery, and the health and development of the newborn. Patients in

the last trimester of pregnancy are assigned and are followed through the remainder of the pregnancy, delivery, and the postpartum period. The newborn and the family are then followed for a period of about twelve weeks after the birth of the child.

96 hours. Staff representatives from the Departments of Obstetrics, Pediatrics, Preventive Medicine, and Psychiatry.

Elective Courses

FOURTH YEAR

Social and Environmental Medicine (Home Medical Service). Fourth-year students are afforded an opportunity to elect an additional month of assignment to this Service.

Rehabilitation and Physical Medicine. Lemuel Shattuck Hospital. DR. WOLL. A clinical clerkship covering the practical aspects of treatment, patient care, evaluation of disability, rehabilitation rounds stressing "team approach," clinical investigation, and research projects is available to one or two persons for a period of one month.

Public Health. Arrangements may be made for a two-month clerkship in public health practice and administration for those students who may be interested in this field. With the co-operation of the Massachusetts Department of Public Health an opportunity is provided to develop first-hand experience in a state and local health department as well as to participate in supervised public health projects of a limited nature. Arrangements must be made in advance with Dr. Bakst.

Psychiatry

WILLIAM MALAMUD, M.D., Professor of Psychiatry and Chairman of the Department
BERNARD BANDLER, M.D., Professor of Psychiatry and Vice Chairman of the Department

JOHN M. MURRAY, M.D., Clinical Professor of Psychiatry
WALTER E. BARTON, M.D., Associate Professor of Psychiatry
A. WILLIAM HIRE, Ed.D., Associate Professor of Clinical Psychology
I. CHARLES KAUFMAN, M.D., Associate Professor of Psychiatry
PETER H. KNAPP, M.D., Associate Research Professor of Psychiatry
ELEANOR PAVENSTEDT, M.D., Associate Professor of Psychiatry
GEORGE H. CARTER, M.D., Assistant Professor of Psychiatry
FREDERICK H. CUMMER, JR., M.D., Assistant Professor of Psychiatry
EDWARD M. DANIELS, M.D., Assistant Professor of Psychiatry
JAMES MANN, M.D., Assistant Professor of Psychiatry
DONALD H. RUSSELL, M.D., Assistant Professor of Psychiatry
LOUIS W. SANDER, M.D., Assistant Research Professor of Psychiatry
SAMUEL SILVERMAN, M.D., Assistant Professor of Psychiatry
JAMES C. SKINNER, M.D., Assistant Professor of Psychiatry
BARDWELL H. FLOWER, M.D., Lecturer on Forensic Psychiatry
GEORGE E. GARDNER, Ph.D., M.D., Lecturer on Psychiatry
CLAUS B. BAHNSON, Ph.D., Research Associate in Psychiatry
BELLENDEN R. HUTCHESON, M.D., Research Associate in Psychiatry
S. JOSEPH NEMETZ, M.D., Research Associate in Psychiatry
EUGENE J. BALCANOFF, M.D., Instructor in Psychiatry
HELEN BEIER, Ph.D., Instructor in Clinical Psychology

NORMAN R. BERNSTEIN, M.D., Instructor in Psychiatry
 PHILIP L. CHRISTAINSEN, M.D., Instructor in Psychiatry
 BENJAMIN COHEN, M.D., Instructor in Psychiatry
 FLOYD S. CORNELISON, M.D., Instructor in Psychiatry
 MAX DAY, M.D., Instructor in Psychiatry
 RUTH EHREBERG, M.D., Instructor in Psychiatry
 MALCOLM J. FARRELL, M.D., Instructor in Psychiatry
 ELEANOR B. GORDON, A.M., Instructor in Psychiatric Social Work
 ABRAHAM KAYE, M.D., Instructor in Psychiatry
 DONALD P. KENEFICK, M.D., Instructor in Psychiatry
 LEO KOVAR, M.D., Instructor in Psychiatry
 HAROLD LEE, M.D., Instructor in Psychiatry
 DAVIDE LIMENTANI, M.D., Instructor in Psychiatry
 ROBERT E. MOSS, M.D., Instructor in Psychiatry
 CHARLES A. PINDERHUGHES, M.D., Instructor in Psychiatry
 HERBERT I. POSIN, M.D., Instructor in Psychiatry
 MARIAN C. PUTNAM, M.D., Instructor in Psychiatry
 WADE ROCKWOOD, M.D., Instructor in Psychiatry
 MELVIN ROSENTHAL, Ph.D., Instructor in Clinical Psychology
 LAZARUS SECUNDA, M.D., Instructor in Psychiatry
 LEON N. SHAPIRO, M.D., Instructor in Psychiatry
 JACOB SWARTZ, M.D., Instructor in Psychiatry
 MARTHA S. VORENBERG, M.S.S., Instructor in Psychiatric Social Work
 JO ANN WILSON, M.D., Instructor in Psychiatry
 DONALD T. DEVINE, M.D., Assistant in Psychiatry
 CHARLES A. MALONE, M.D., Assistant in Psychiatry
 RUICK S. ROLLAND, M.D., Assistant in Psychiatry
 JEAN ARSENIAN, Ph.D., Research Fellow in Psychiatry
 ALICE M. FLEMING, M.D., Research Fellow in Psychiatry
 TOBIAS T. FRIEDMAN, M.D., Research Fellow in Psychiatry
 HENRY G. ALTMAN, M.D., Senior Teaching Fellow in Psychiatry
 MALVIN BRAVERMAN, M.D., Senior Teaching Fellow in Psychiatry
 PIETRO CASTELNUOVO-TEDESCO, M.D., Senior Teaching Fellow in Psychiatry
 HENRY U. GRUNEBBAUM, M.D., Senior Teaching Fellow in Psychiatry
 WILLIAM MALAMUD, JR., M.D., Senior Teaching Fellow in Psychiatry
 JOSEPH STEG, M.D., Senior Teaching Fellow in Psychiatry
 PAUL KAUFMAN, M.D., Junior Teaching Fellow in Psychiatry
 ALAN S. PRAGER, M.D., Junior Teaching Fellow in Psychiatry
 JANE P. PRAGER, M.D., Junior Teaching Fellow in Psychiatry
 MALCOLM L. ROSENBLATT, M.D., Junior Teaching Fellow in Psychiatry

Required Courses

The instruction given by the Department of Psychiatry consists of lectures, clinical demonstrations, conferences, seminars, and practical work in the outpatient departments and on the wards of the hospitals. The primary purpose of the program is to impart to the students an adequate knowledge of the human personality as it functions in health and disease. Throughout the course an attempt is made to correlate the instruction offered by this department with the courses given in the other subjects. Emphasis is placed on the important interrelationships between the personality and the somatic functions, pointing out the influences exerted by emotional stress upon the organ systems and the impact of somatic illness upon personality adjustment. The

teaching begins in the first year, during which the structure, function, and development of the normal personality are presented in a course running parallel to those in anatomy and physiology. In the second year the course includes psychopathology, psychodynamics, and the techniques of examination and interview. In the third year the clinical manifestations, diagnosis, and treatment of personality disturbances are presented. In the fourth year the students are assigned to practical work in the outpatient departments and in the wards, examining and treating patients under supervision.

FIRST YEAR

Structure and Function of Normal Personality. This course consists of lectures and demonstrations on the nature of human personality as the mechanism which serves to integrate the various activities of the individual into a functional unit, and the adjustments of this unit to environmental stress. The course runs throughout the year parallel to those in anatomy and physiology. The structure and components of personality activities are presented in detail; their functions in the normal person are discussed. Finally, the development of these functions is presented both as it is observed in the child and in the adult. Variations occurring within normal limits and their effects upon the type of adjustment are discussed.

First semester. 15 hours. *Second semester.* 16 hours. DRs. MALAMUD, SKINNER, PUTNAM, GARDNER, PAVENSTEDT, CUMMER, and RUSSELL.

SECOND YEAR

Introduction to Psychiatry. Pathological deviations from normal function are discussed on the basis of case material. The manner in which they are related to normal personality function and the difficulties that they condition in adjustment are presented. The development of these deviations and the causative factors which produce them are systematically discussed. Both the pathological deviations and the manner and etiology of their development are taken up as they occur in the adult and in the child. During the second semester the class is divided into sections for practical instruction in the techniques of examination and interview.

First semester. 13 hours. *Second semester.* 34 hours. DRs. MALAMUD, BANDLER, PAVENSTEDT, KNAPP, KAUFMAN, RUSSELL, SANDER, SKINNER, and CARTER.

THIRD YEAR

Clinical Psychiatry I. The psychoneuroses. In this course the nature, development, treatment, and prognosis of psychoneuroses are discussed on the basis of clinical presentations. There is a preliminary discussion of these disturbances in general, and then a systematic presentation of the various syndromes as they are seen in practical work. With this as a basis, the course proceeds to deal with the emotional and social stress situations which produce demonstrable somatic disturbances. This is integrated with the courses in internal medicine, surgery, pediatrics, etc. It is followed by a discussion of personality disturbances that are produced by the impact of somatic diseases and, finally, a presentation of neuroses and psychosomatic disorders in children. Throughout the year clinical conferences are held with groups of students on the Psychosomatic Ward of the Massachusetts Memorial Hospitals.

43 hours. DRs. MURRAY, GARDNER, PAVENSTEDT, KNAPP, RUSSELL, SKINNER, MALAMUD, and BANDLER.

Clinical Psychiatry II. The major psychoses. Clinical demonstrations of patients suffering from psychoses, severe character deviations, and organic diseases of the central nervous system are presented. The nature of these syndromes, their etiology, and

the methods of treatment and management are systematically discussed. The course is given in four sections of eight weeks each, each section consisting of one quarter of the class.

24 hours. Boston State Hospital and Boston Veterans Administration Hospital.
DRS. MALAMUD, BARTON, MANN, DAY, and STAFF.

FOURTH YEAR

Small sections of the class are assigned to clinical clerkships as follows:

Clinical Psychiatry III. Four weeks in psychiatry and psychosomatic medicine in adults and children. During this time the students work actively with patients at the Psychosomatic Clinic of the Massachusetts Memorial Hospitals and with similar material on the wards of the Evans Memorial and the Veterans Administration Hospital. The work is done under the supervision of the teaching staff. The students carry out the examinations, consultations, and the treatment of patients. This assignment is integrated with the general clerkship in Human Ecology to which the students are assigned for periods of sixteen weeks. The staff of this department participates in the instruction given in this course (see description page 64).

200 hours. DRS. MALAMUD, BANDLER, PAVENSTEDT, and STAFF.

Elective Courses

THIRD YEAR

Therapeutic Procedures. This course is offered as an elective to a restricted group of students. The major types of treatment of personality disturbances are discussed along the lines of seminar procedure with active participation of the students. Psychotherapeutic methods are particularly emphasized.

16 hours. DRS. MALAMUD, BANDLER, and STAFF.

FOURTH YEAR

Clinical Psychiatry IV. The students may elect a four-week clerkship in either the Boston State Hospital or the James Jackson Putnam Children's Center. At these institutions they work actively with patients assigned to them under supervision of members of the staff. Interview technique, methods of treatment, and diagnostic procedures are emphasized.

DR. MALAMUD and STAFF.

Radiology

GEORGE LEVENE, M.D., Professor of Radiology and Chairman of the Department
SEYMOUR A. KAUFMAN, M.D., Associate Professor of Radiology
LLOYD E. HAWES, M.D., Assistant Professor of Radiology
MARJORIE J. LEMAY, M.D., Assistant Clinical Professor of Radiology
MARTIN B. LEVENE, M.D., Assistant Clinical Professor of Radiology
SAUL SCHEFF, M.D., Assistant Professor of Radiology
EGON G. E. WISSING, M.D., Assistant Professor of Radiology
MAX RITVO, M.D., Lecturer on Radiology
ERNEST A. BRAGG, JR., M.D., Instructor in Radiology
PAUL MASSIK, M.D., Instructor in Radiology
IRVING A. SHAUFFER, M.D., Instructor in Radiology

CHARLES R. STEWART, M.D., Instructor in Radiology
 DIANA YUEH-MING TAN, M.D., Assistant in Radiology
 ROBERT H. RAY, M.D., Junior Teaching Fellow in Radiology

Required Courses

FIRST YEAR

Normal Roentgenologic Anatomy. Demonstrations of skeletal and visceral appearances given concurrently with gross anatomical dissection of the part.

First semester. 15 hours. DRs. KAUFMAN, SCHEFF, and ASSOCIATES.

THIRD YEAR

Radiology Lectures. The course begins with lectures on the physics of ionizing radiation and radiation biology. A major portion of this course is devoted to illustrated lectures on the roentgenographic appearance of disease.

15 hours. DR. LEVENE and ASSOCIATES.

Radiology Seminars. The class is divided into sections which have a two-hour session each week. The sections rotate through the Massachusetts Memorial Hospitals, Faulkner Hospital, Lemuel Shattuck Hospital, and Boston Veterans Administration Hospital.

Class in sections. 16 hours. DRs. KAUFMAN, SCHEFF, HAWES, M. LEVENE, and WISSING.

Elective Course

FOURTH YEAR

Radiology. During the fourth year an elective course in radiology is offered to a limited number of students for a period of four weeks, full time, in the Department of Radiology of the Massachusetts Memorial Hospitals, the Boston Veterans Administration Hospital, or the Faulkner Hospital.

DRs. LEVENE, KAUFMAN, SCHEFF, HAWES, WISSING, and M. LEVENE.

Surgery

REGINALD H. SMITHWICK, M.D., Professor of Surgery and Chairman of the Department
 RALPH H. ADAMS, M.D., Clinical Professor of Surgery
 JOHN J. BYRNE, M.D., Professor of Surgery
 HAROLD A. CARNES, D.M.D., Professor of Dental Medicine
 JOHN W. STRIEDER, M.D., Clinical Professor of Surgery
 RICHARD W. DWIGHT, M.D., Associate Clinical Professor of Surgery
 CHESTER W. HOWE, M.D., Associate Professor of Surgery
 GEORGE F. MILLER, M.D., Associate Clinical Professor of Surgery
 LAMAR SOUTTER, M.D., Associate Professor of Surgery
 WALTER R. WEGNER, M.D., Associate Clinical Professor of Neurosurgery
 GEORGE P. WHITELAW, M.D., Associate Professor of Surgery
 HOLLIS L. ALBRIGHT, M.D., Assistant Clinical Professor of Surgery
 THOMAS J. ANGLEM, M.D., Assistant Clinical Professor of Surgery
 FRANK E. BARTON, M.D., Assistant Clinical Professor of Surgery
 JOHN W. CHAMBERLAIN, M.D., Assistant Clinical Professor of Surgery

EDWARD A. COONEY, M.D., Assistant Clinical Professor of Surgery
DOUGLAS A. FARMER, M.D., Assistant Professor of Surgery
EUGENE A. GASTON, M.D., Assistant Clinical Professor of Surgery
PHILIP S. MARCUS, M.D., Assistant Clinical Professor of Anesthesiology
CHARLES W. ROBERTSON, M.D., Assistant Professor of Surgery
ERNEST A. SNEDDON, M.D., Assistant Professor of Anesthesiology
WILLIAM A. WHITE, JR., M.D., Assistant Clinical Professor of Surgery
DONALD V. BAKER, JR., M.D., Lecturer on Surgery
HENRY H. FAXON, M.D., Lecturer on Surgery
DONALD L. MAHLER, M.D., Lecturer on Surgery
STEWART ARMSTRONG, M.D., Associate in Surgery
GEORGE T. BOTTOMLEY, M.D., Associate in Surgery
HOWARD A. BOUVE, M.D., Associate in Surgery
HAROLD I. MILLER, M.D., Associate in Surgery
JOHN C. ATHANS, M.D., Clinical Instructor in Surgery
PHILLIPS L. BOYD, M.D., Clinical Instructor in Surgery
MARTIN L. BRADFORD, M.D., Clinical Instructor in Surgery
ANNELLA BROWN, M.D., Clinical Instructor in Surgery
RICHARD D. BUSH, M.D., Instructor in Surgery
JOHN M. CAHILL, M.D., Instructor in Surgery
WALTER E. CARRIGAN, M.D., Clinical Instructor in Surgery
WILLIAM F. CROSKERY, M.D., Clinical Instructor in Surgery
EDWARD A. GAENSLER, M.D., Clinical Instructor in Surgery
ALBIN N. GREDDA, M.D., Clinical Instructor in Surgery
HAROLD W. HARROWER, M.D., Clinical Instructor in Surgery
ABRAHAM HORVITZ, M.D., Clinical Instructor in Surgery
FRANCIS R. KENNEY, M.D., Clinical Instructor in Surgery
ANDREW A. KERHULAS, M.D., Clinical Instructor in Surgery
BERNARD KRASNER, M.D., Clinical Instructor in Surgery
KNOWLES B. LAWRENCE, M.D., Clinical Instructor in Surgery
JOHN B. LLOYD, M.D., Clinical Instructor in Surgery
JOSEPH P. LYNCH, M.D., Clinical Instructor in Surgery
IRVING M. MADOFF, M.D., Clinical Instructor in Surgery
JAMES M. McNULTY, M.D., Clinical Instructor in Surgery
CHARLES J. MEKELATOS, M.D., Clinical Instructor in Surgery
ARTHUR E. OGDEN, M.D., Clinical Instructor in Anesthesiology
EDWARD T. O'HARA, M.D., Clinical Instructor in Surgery
ARNOLD PORTER, M.D., Clinical Instructor in Surgery
WILLIAM P. RIDDER, M.D., Clinical Instructor in Surgery
SAMUEL J. SCHMIDT, M.D., Instructor in Anesthesiology
JOHN C. SHEEHAN, M.D., Clinical Instructor in Anesthesiology
EDWARD L. SPATZ, M.D., Clinical Instructor in Neurosurgery
GEORGE W. B. STARKEY, M.D., Clinical Instructor in Surgery
JULIUS STOLL, JR., M.D., Clinical Instructor in Neurosurgery
WILLIAM C. WIGGLESWORTH, M.D., Clinical Instructor in Surgery
MASAO YATSUHASHI, M.D., Clinical Instructor in Surgery
ANTHONY ZOVICKIAN, M.D., Instructor in Surgery
DAVID L. BROOK, M.D., Assistant in Surgery
MAURICE E. COSTIN, M.D., Assistant in Surgery
GERARD DESFORGES, M.D., Assistant in Surgery
LEICESTER S. JOHNSTON, M.D., Assistant in Surgery

TASSADDUK H. MOGHUL, M.B.B.S., F.R.C.S., Assistant in Surgery
 WILLIAM J. PORELL, M.D., Assistant in Surgery
 THEODORE R. THAYER, M.D., Assistant in Surgery
 WILLIAM A. WHITCOMB, JR., M.D., Assistant in Surgery
 THOMAS F. BOYD, M.D., Research Fellow in Surgery
 MATTHEW D. BRANCHE, M.D., Senior Teaching Fellow in Surgery
 WILLIAM DOWLING, JR., M.D., Senior Teaching Fellow in Surgery
 RUSSELL A. ESTABROOKS, JR., M.D., Senior Teaching Fellow in Surgery
 CHARLES R. HOLT, M.D., Senior Teaching Fellow in Surgery
 BURRILL JOSEPHS, M.D., Senior Teaching Fellow in Surgery
 EUGENE G. LAFORET, M.D., Senior Teaching Fellow in Surgery
 WILBUR H. LYON, JR., M.D., Senior Teaching Fellow in Surgery
 JOHN R. McNULTY, M.D., Senior Teaching Fellow in Surgery
 CARL NELSON, JR., M.D., Senior Teaching Fellow in Surgery
 PASQUALE A. PENTA, M.D., Senior Teaching Fellow in Surgery
 JACK W. REESE, M.D., Senior Teaching Fellow in Surgery
 MYRON SALTZ, M.D., Senior Teaching Fellow in Surgery
 CHARLES L. THAYER, M.D., Senior Teaching Fellow in Surgery

Required Courses

First Year. Surgical instruction begins in the first year with a series of lectures correlating regional anatomy with treatment of diseases amenable to surgery.

Second Year. The course in surgery in the second year is designed to prepare the student for his contacts with patients in the clinical exercises of the third year. The course in Introductory Surgery is a series of lectures which illustrate the relationship between the basic sciences and clinical surgery.

Third Year. There is a series of lectures and conferences covering the field of general surgery and certain of the surgical specialties. An attempt is made to correlate the lectures in surgery and medicine so that, wherever possible, similar fields are covered during the same period of time. Section instruction is given in the outpatient departments and in the wards of the hospitals, supplemented by afternoon conferences and demonstrations in general surgery, neurosurgery, and genitourinary surgery. The surgical sections meet with the medical sections for afternoon conferences in pathology and X ray.

Fourth Year. Each student has a two-month, clinical clerkship in surgery during this year. Under supervision, he assumes an active responsibility for the care of patients as the junior member of a surgical team. This feeling of responsibility does a good deal to increase the student's interest in his work. Formal instruction is limited to hospital meetings, lectures, and conferences in all of which he may participate actively. Less formal conferences are held in small groups for the purpose of discussing many surgical diseases with particular reference to specific patients. As a basis for therapy, emphasis is placed on the pathology, physiology, and chemistry involved.

FIRST YEAR

Surgical Anatomy. Lectures at the Massachusetts Memorial Hospitals.

First semester. 16 hours. DR. FARMER and STAFF.

SECOND YEAR

Introductory Surgery. A series of lectures covering the principles of surgery.
Second semester. 25 hours. DR. ROBERTSON and STAFF.

THIRD YEAR

General Surgery. Lectures and clinics at the Massachusetts Memorial Hospitals and the Boston City Hospital.

66 hours. DRs. SMITHWICK, BYRNE, and ASSOCIATES.

Clinical Surgery. Section work and conferences at the Massachusetts Memorial Hospitals, Boston City Hospital, and Veterans Administration Hospital, Boston.

Class in sections. 160 hours. DRs. SMITHWICK, BYRNE, DWIGHT, and ASSOCIATES.

Anesthesiology. A course of three lectures and three clinics.

6 hours. DR. SNEDDON.

Stomatology. Lecture course.

2 hours. DR. CARNES.

FOURTH YEAR

Clinical Surgery. The sections of the class are arranged in two groups and assigned for clinical clerkships as follows:

Group A. Wards, Surgical Service, Massachusetts Memorial Hospitals and Veterans Administration Hospital, Boston.

8 weeks. 400 hours. DRs. SMITHWICK, DWIGHT, and ASSOCIATES.

Group B. Wards, Third Surgical Service, Boston City Hospital.

8 weeks. 400 hours. DR. BYRNE and ASSOCIATES.

Elective Courses

THIRD YEAR

Surgery of Septic Hands. Four exercises.

First semester. 4 hours. DR. BOUVE.

FOURTH YEAR

Clinical Surgery. Boston City Hospital. DR. BYRNE and ASSOCIATES. Veterans Administration Hospital, Providence. DR. HARROWER and ASSOCIATES.

A full-time clinical clerkship for a period of one month is offered on the Surgical Services of each of these hospitals with assignment to general surgery. Board and room will be furnished at the Veterans Administration Hospital.

Thoracic Surgery. Boston City Hospital. DR. STRIEDER and ASSOCIATES.

A four-week clerkship is offered on the Thoracic Surgical Service in pulmonary, cardiac, and oesophageal diseases for students who have completed their clerkship in general surgery.

Pediatric Surgery. Boston City Hospital. DR. CHAMBERLAIN and ASSOCIATES.

A four-week clinical clerkship is offered on the surgical section of the Pediatric Service to students who have completed their clerkship in general surgery.

General Surgery and General Practice in a Community. The Huggins Hospital, Wolfeboro, N. H. DR. RALPH H. ADAMS and ASSOCIATES.

A four- or eight-week clerkship, mostly in surgery, is offered in a small community hospital with intensive instruction on an apprenticeship basis.

Emergency Surgery. Boston City Hospital. DR. BYRNE and ASSOCIATES.

A full-time clerkship for a period of one month is offered with assignment to the Accident Floor. Not more than one student can be accepted for any one month.

Anesthesiology. Boston City Hospital. DR. MARCUS and ASSOCIATES. Massachusetts Memorial Hospitals. DR. SNEDDON and ASSOCIATES.

The Departments of Anesthesiology at each of these hospitals offer a full-time clerkship in anesthesiology for a period of one month, with not more than one student being accepted for any one month.

Cancer. Pondville Hospital.

A four-week clinical clerkship on the wards and outpatient department of a State hospital devoted entirely to the surgical, radiological, and chemotherapeutic treatment of cancer. Students participate in the working-up and care of patients and also help with diagnostic work and actual treatment. During the period of time that they are in attendance at the hospital, they are provided with board and room but are expected to be on call every other night and week end.

Family Practice Preceptorship. DR. BOARDMAN and ASSOCIATES.

Four weeks devoted to a study of the practice of medicine in a semi-rural area by group, partnership, or solo techniques. Attention is particularly directed to the potentials of a small community for the study of disease as well as of patients within a fixed socioeconomic framework. Student (and his family) will be resident in a group practice clinic apartment.

Community Hospital Practice. Monadnock Community Hospital, Peterborough, New Hampshire, and Knox County General Hospital, Rockland, Maine.

Opportunities are available at either of these hospitals for a month's clinical clerkship covering all phases of the practice of medicine, surgery, and the specialties as conducted in well-staffed and well-equipped community hospitals. Under the supervision of the hospital staff, students will participate in the care of patients. Regular teaching rounds, discussion of cases, and opportunities for study are part of the course. When possible, students will be afforded the opportunity of accompanying a general practitioner on his rounds. Each student will be on call every other night. Library facilities will be available. Board and room will be provided by the hospitals for single students and they will assist married students in finding suitable living quarters in the town, the expense of such quarters to be borne by the student.

Urology

DAVID B. STEARNS, M.D., Clinical Professor of Urology and Chairman of the Department

RICHARD CHUTE, M.D., Clinical Professor of Urology

HAROLD L. LELAND, M.D., Associate Clinical Professor of Urology

GRANT M. DIXEY, M.D., Assistant Clinical Professor of Urology

MYRON J. HAHN, M.D., Assistant Clinical Professor of Urology

EDWIN L. PRIEN, M.D., Assistant Clinical Professor of Urology

FRANK G. SHEDDAN, JR., M.D., Assistant Clinical Professor of Urology
 HERBERT S. TALBOT, M.D., Lecturer on Urology
 MELVIN K. LYONS, M.D., Clinical Instructor in Urology
 RAYMOND O. OLSON, M.D., Clinical Instructor in Urology
 HOWARD M. TRAFTON, M.D., Clinical Instructor in Urology
 JOHN S. WHEELER, M.D., Clinical Instructor in Urology
 MANUEL J. CORREIA-BRANCO, M.D., Assistant in Urology
 JOSEPH B. DOWD, M.D., Assistant in Urology
 STANLEY K. GORDON, M.D., Assistant in Urology
 VASCO E. NUNEZ, M.D., Assistant in Urology
 EDWARD T. RAFFERTY, M.D., Assistant in Urology
 AUSTIN F. O'MALLEY, M.D., Senior Teaching Fellow in Urology
 THOMAS M. TIERNEY, M.D., Senior Teaching Fellow in Urology
 RAFFAELE DESIMONE, M.D., Junior Teaching Fellow in Urology

Required Courses

Instruction in urology consists of lectures in the second and third years and clinical instruction in the outpatient clinics and the wards of the hospitals during the third year. The lectures cover the fundamental principles of diagnosis and treatment of common urological diseases, including etiology and pathology. Clinical instruction brings the student in contact with actual cases in the outpatient department and in the hospitals.

SECOND YEAR

Genitourinary Diagnosis. Introductory lectures and the diagnosis of genitourinary diseases.

Second semester. 6 hours. DR. STEARNS and ASSOCIATES.

THIRD YEAR

Genitourinary Surgery and Diseases. Lectures and demonstrations on surgical diseases of the urinary tract.

6 hours. DRs. STEARNS, DIXEY, and ASSOCIATES.

Clinical Urology. Instruction on the wards and in the outpatient department of the Massachusetts Memorial Hospitals, Boston City Hospital, and Veterans Administration Hospital.

Class in sections. 48 hours. DRs. STEARNS, CHUTE, LELAND, and ASSOCIATES.

Breakdown of Hours

SUBJECTS	1ST YEAR		2ND YEAR		3RD YEAR	4TH YEAR	TOTALS
	1ST	2ND	1ST	2ND			
ANATOMY.....	—	—	—	—	—	—	522
Gross.....	300	—	—	—	—	—	—
Micro.....	160	—	—	—	—	—	—
Neuro.....	62	—	—	—	—	—	—
BIOCHEMISTRY.....	—	262	—	—	—	—	262
DERMATOLOGY.....	—	—	—	—	44	—	44
MEDICINE.....	—	—	—	31	239	568	1,069
Physical Diagnosis.....	—	—	—	141	—	—	—
Clinical Pathology.....	—	—	—	90	—	—	—
MICROBIOLOGY.....	—	—	165	—	—	—	240
Immunology.....	—	—	30	—	—	—	—
Parasitology.....	—	—	45	—	—	—	—
NEUROLOGY.....	—	—	—	—	44	16	90
Neuropathology.....	—	—	—	30	—	—	—
OBSTETRICS AND GYNECOLOGY.....	—	—	—	—	—	—	375
Obstetrics.....	—	—	15	15	79	100	—
Gynecology.....	—	—	—	—	66	100	—
OPHTHALMOLOGY.....	—	—	—	—	42	—	42
ORTHOPEDIC AND FRACTURE SURGERY.....	—	—	—	—	62	—	62
OTOLARYNGOLOGY.....	—	—	—	—	42	—	42
PATHOLOGY.....	—	—	132	141	36	—	353
Clinical-Pathological Conferences.....	—	—	—	—	31	—	—
Legal Medicine.....	—	—	—	—	12	—	—
PEDIATRICS.....	—	—	—	—	63	200	263
PHARMACOLOGY.....	—	—	190	—	—	—	190
PHYSIOLOGY.....	—	280	—	—	—	—	280
PREVENTIVE MEDICINE.....	—	—	—	—	64	—	392
Occupational Health.....	—	—	—	—	16	—	—
Rehabilitation and Physical Medicine.....	—	—	—	—	16	—	—
Human Ecology.....	—	—	—	—	—	96	—
Home Medical Service.....	—	—	—	—	—	200	—
PSYCHIATRY.....	15	16	13	34	67	200	345
RADIOLOGY.....	15	—	—	—	31	—	46
SURGERY.....	16	—	—	25	226	400	675
Anesthesiology.....	—	—	—	—	6	—	—
Stomatology.....	—	—	—	—	2	—	—
UROLOGY.....	—	—	—	6	54	—	60
	568	558	590	513	—	—	—
	1,126		1,103		1,242	1,880	5,351

First Academic Year — First Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
12-1			Clinical Correlation		Psychiatry	
1-5	Gross Anatomy	Gross Anatomy		Gross Anatomy		
2-5			Gross Anatomy		Gross Anatomy	

First Academic Year — Second Semester — 16 weeks

9-9:55	Physiology Lecture	Physiology Lecture	Psychiatry	Physiology Lecture	Physiology Lecture	
10-10:55	Biochemistry Lecture	Biochemistry Lecture	Biochemistry Lecture	Biochemistry Lecture	Biochemistry Lecture	
11-11:55			Clinical Correlation			
1-2	Biochemistry Laboratory	Physiology Laboratory	Physiology Lecture	Biochemistry Laboratory		Physiology Laboratory
2-5			Physiology Laboratory			

Second Academic Year — First Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9						Pharmacology
9-9:55			Pharmacology		Obstetrics	
10-10:55	Pharmacology	Pharmacology	Pharmacology	Pharmacology		
11-11:55			Microbiology		Microbiology	Microbiology
12-1	Psychiatry					
1-2						
2-5	Pathology	Microbiology	Pathology	Microbiology	Pathology	

Second Academic Year — Second Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-9:55		Medicine		Surgery		Psychiatry
10-10:55	Physical Diagnosis		Physical Diagnosis		Physical Diagnosis	Clinical Pathology ***
11-11:55		Clinical Pathology ***		Clinical Pathology ***		Interview Techniques in Psychiatry
12-1	Surgery Urology	Neuropathology	Medicine	Neuropathology	Obstetrics	
1-2						
2-5	Pathology		Pathology		Pathology	

Third Academic Year — 34 weeks

	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:30-4:00
Monday	Orthopedic Surgery Ophthalmology Urology Medicine Obstetrics	Clinics*	Lunch	Radiology Pediatrics	Sections
Tuesday	8:00-9:00	9:15-12:15	12:15-1:00	2:00-5:00	
	Orthopedic Surgery Ophthalmology Medicine	Clinics*	Lunch	Preventive Medicine Rehabilitation and Physical Medicine Occupational Health	
Wednesday	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:00-3:00
	Surgery	Clinics*	Lunch	Anesthesiology Otolaryngology Psychiatry	3:00-5:00
				Source Research on Medical Theses	Electives
	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:00-4:00
Thursday	Orthopedic Surgery Ophthalmology Medicine	Clinics*	Lunch	Dermatology Neurology Stomatology	Psychiatry Conference Surgery Conference Robert Breck Brigham Radiology Conference
	8:00-9:00	9:15-12:00	12:00-1:00	1:00-1:30	1:30-2:30
	Orthopedic Surgery Ophthalmology Urology Medical Clinics	Clinics*	Clinical Pathological Conferences	Lunch	Gynecology Psychiatry
Friday					3:00-4:30
Saturday	8:00-9:00	9:15-12:15			
	Surgical Clinics	Clinics*			

*Clinics: Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, Pathology, Neurology, Urology, Dermatology, Ophthalmology, Otolaryngology, Orthopedic and Fracture Surgery, Neurosurgery.

Fourth Academic Year — 50 weeks

	1	2	3	4	5	6
Morning	Medicine (BCH/MMH/VA)	Medicine (BCH/MMH/VA)	Medicine (Haynes)	Surgery (BCH/MMH/VA)	Surgery (BCH/MMH/VA)	Pediatrics
Afternoon						
Morning	Clinical Psychiatry	Obstetrics	Home Medical Service	Elective	Elective	Vacation
Afternoon						

The fourth year is entirely clinical. The schedule indicated above is divided into twelve (12) periods, the order of clinics being variable for each student.

University Facilities and Services

Libraries

The libraries of Boston University, fourteen in number, contain over 500,000 volumes and subscribe to some 3,200 periodicals, including duplicates. Each library is maintained in close proximity to the student group served. As the Schools and Colleges of the University move to the Charles River Campus, close co-operation among all the libraries is being developed.

The Chenery Library, located on the main campus, contains over 200,000 volumes and includes several special collections. Here, the Director of Libraries serves as the co-ordinator of all libraries within the University.

Students are fortunate in having available to them the resources of several general and specialized libraries and museums in the vicinity of Boston and Cambridge. More detailed information regarding research opportunities and provisions may be obtained through the College librarian.

University Publications

In addition to the official University catalogue issues the following periodicals are published: *Boston University Graduate Journal* (ten issues a year, published by the Graduate School, first issue 1952); *Boston University Law Review* (quarterly, published by the School of Law, first issue 1920); *Boston Medical Quarterly* (published by the School of Medicine, first issue 1950); *Boston University Business Review* (two issues a year, published by the College of Business Administration, first issue 1954); *Journal of Education* (quarterly, published by the School of Education since 1954, although the periodical was established in 1875); *Studies in English* (quarterly, published by the Department of English, Graduate School, first issue 1955); and *The Philosophical Forum* (annual, published by the Philosophical Club, first issue 1943). *Bostonia* and *Alumni News* are publications of the General Alumni Association.

Periodicals of learned societies edited by Boston University faculty members and with editorial offices at the University are the *Journal of Bible and Religion* (quarterly, published by the National Association of Biblical Instructors) and *The Modern Language Journal* (eight times a year, published by the National Federation of Modern Language Teachers Associations).

Among other publications of the University are such items as the Bacon Lectures on the Constitution of the United States and the University Lectures.

Boston University Bookstores

A supply store is maintained by the Trustees of Boston University within the School of Medicine building. Here you may rent or purchase a microscope of approved design. Books, instruments, stationery, and other equipment required for all courses are on sale at this store.

Student Life

Students in the School of Medicine are free to participate, whenever the time schedule permits, in all-University student activities offered in physical education and intercollegiate athletics, debating, dramatics, musical organizations, student publications, and radio station WBUR-FM.

Student-Faculty Assembly

The purpose of the Assembly is to provide a suitable medium for co-operation among the University administration, faculty, and student body; to encourage and promote interdepartmental relations and to establish a united University life and spirit; to recommend such policy as affects all student activities and student interests; and to regulate in general all undergraduate activities not academic in nature, except such matters reserved to the University administration. The Assembly sponsors standing committees of agenda, constitution and bylaws, finance, intercollegiate problems, public relations, student activities, student-faculty relations, and student government problems. In addition, special committees may be created by the Assembly.

An Executive Committee, with the University Dean of Men functioning as its Chairman, serves as the operating agency of the Assembly and handles its executive and legislative work. The Executive Committee consists of the four student officers of the Assembly, two student members-at-large elected by the Assembly, and five faculty or administration members of whom two are appointed by the President of the University and three are permanent members *ex officio*. The duties of this central committee include approving the forming of all new interdepartmental organizations; approving the reactivation of organizations; regulating the operation of organizations; setting up procedures for the financial operations of organizations; setting up social standards for the conduct of interdepartmental affairs in conjunction with the University Dean of Women; considering in detail all committee reports and presenting them to the Assembly; and acting as the Nominating Committee for the election of officers of the Assembly.

Religious Life

Boston University has from its founding been committed to recognition of spiritual values in our cultural heritage, to a frank affirmation of the integral position of religion in higher education.

To emphasize the role of affirmative religion in the life and thought of the academic community, the University has created its United Ministry to Students. Within this Ministry are co-ordinated the work of the Dean of the Chapel, the Protestant Chaplain (who is the Executive Secretary of the Christian Association), the Roman Catholic Chaplain, the Jewish Chaplain, the denominational chaplains, and the Director of the Program for Foreign Students. This United Ministry is

also co-ordinated with the Human Relations Center, the University Convocations, and the all-University Committee on Religious Affairs.

With students from all religious groups in American life, as well as numerous foreign students, a major emphasis is placed on the Brotherhood Program, and training in interfaith co-operation. Through seminars, joint projects, occasional lectures, and symbolic observances, the Christian Association, Hillel Foundation, and Newman Club are encouraged to make their co-operative contributions to faculty and student life on campus. In similar fashion, students are encouraged to find the denominational club most congenial and to participate in its activities, but at the same time to learn the value and strengths of interdenominational experience.

The Dean of the Chapel is responsible for the regular all-University Sunday morning services and all special services which have to do with the function of the chapel as a worship center in the life of the University. The Chapel Choir, the Liturgical Dance Choir, and the Staff of Ushers are all voluntary organizations open to the community. There is a student-guided daily chapel service for which the Dean serves as adviser. The main sanctuary and Robinson Meditation Chapel are available for weddings, memorial services, and individual and group worship by members of the University family.

The central office of the Dean of the Chapel and the University Chaplains is on the Charles River Campus at 300 Bay State Road. Those desiring additional information or assistance in religious matters are invited either to come to the Office or telephone for an appointment.

Veterans' and Selective Service Center

Anyone planning to register at Boston University under the sponsorship of the Veterans Administration must be certified in advance through the Boston University Veterans' and Selective Service Center for training under any of the following laws: Public Law 550 for Korean veterans, Public Law 894 for disabled Korean veterans and Public Law 634, the War Orphans' Educational Assistance Act. The Center is located at 755 Commonwealth Avenue, Boston, and is open Monday through Friday, 9:00 A.M. to 4:45 P.M., Saturdays during registration, 9:00 A.M. to 1:00 P.M.

Information in regard to veterans' affairs may be obtained by writing to the Director. Veterans should furnish complete details such as inclusive dates of their active duty, previous training under any of the above-mentioned laws, and other pertinent data.

Arrangements for entrance into training should be made two months prior to the beginning of the term or at the earliest possible date.

Selective Service. The Center is the official liaison between this University and all selective service boards, as well as the various reserve components of the armed services. Any inquiries in this regard should be addressed to the Center.

Hospital Appointments

Class of June, 1957

<i>Name</i>	<i>Hospital</i>	<i>Service</i>
Anderson, A. Scott, Jr.	Boston City Hospital, Boston	Medicine
Arman, Edward W.	Mount Sinai Hospital, Cleveland, Ohio	Rotating
Baker, Robert F.	Naval Hospital, Newport, R. I.	Rotating
Beane, Howard C.	Harrisburg Polyclinic Hospital, Harrisburg, Pa.	Rotating
Braisted, Donald A.	Stanford University Hospitals, San Francisco, Calif.	Medicine
Carbonara, Peter N.	St. Vincent's Hospital, New York, N. Y.	Surgery
Chamberlin, Allen C.	Bellevue Hospital, New York, N. Y.	Surgery
Cloutier, George	Bellevue Hospital, New York, N. Y.	Medicine
Coniaris, John C.	Worcester City Hospital, Worcester	Rotating
Connors, Maurice H.	Worcester City Hospital, Worcester	Rotating
Corwin, Norman D.	Mount Sinai Hospital, New York, N. Y.	Rotating
Davis, John W.	Naval Hospital, Bethesda, Md.	Rotating
Deutsch, Stanley	Graduate Hospital, University of Pennsylvania, Philadelphia Pa.	Rotating
Elkins, Alan M.	Indiana University Medical Center, Indianapolis, Ind.	Surgery
Fauci, Peter A., Jr.	Jersey City Medical Center, Jersey City, N. J.	Rotating
Giorgio, Anthony J.	Salt Lake County General Hospital, Salt Lake City, Utah	Medicine
Gluck, Charles N.	North Carolina Memorial Hospital, Chapel Hill, N. C.	Medicine
Goddard, Ralph A.	Veterans Administration Hospital, Long Beach, Calif.	Rotating
Gold, M. Eliot	Greenwich Hospital, Greenwich, Conn.	Rotating
Goldberg, Alan H.	Massachusetts Memorial Hospitals, Boston	Surgery
Greaney, Joseph F.	Boston City Hospital, Boston	Medicine
Grota, Inta A.	Beth Israel Hospital, Boston	Medicine
Halberstam, Michael J.	Montefiore Hospital, New York, N. Y.	Mixed
Hassid, Roger I.	Boston City Hospital, Boston	Medicine
Heller, Abraham	General Rose Memorial Hospital, Denver, Col.	Surgery
Hubbard, Joseph G.	University of California Hospital, San Francisco, Calif.	Pediatrics
Ingall, David	Boston City Hospital, Boston	Pediatrics
Kahn, Robert E.	Massachusetts Memorial Hospitals, Boston	Medicine
Kava, Herbert W.	Bronx Municipal Hospital Center, New York, N. Y.	Rotating
Kavanagh, Arthur J., Jr.	Naval Hospital, Chelsea	Rotating
Khoury, Emile V.	Montreal General Hospital, Montreal, Canada	Medicine
Lee, David A.	University Hospitals of Cleveland, Cleveland, Ohio	Surgery
Leibowitz, Leonard D.	Maimonides Hospital, Brooklyn, N. Y.	Rotating
Mattson, Richard H.	Lackland (Air Force) Hospital, San Antonio, Texas	Rotating
Minton, Paul R.	Beth Israel Hospital, Boston	Medicine
Monteith, William E., Jr.	Massachusetts Memorial Hospitals, Boston	Surgery
Neipris, Marvin E.	Beth Israel Hospital, Boston	Surgery
Norton, C. Perry	Boston City Hospital, Boston	Medicine
Norwood, Gilbert A.	Beverly Hospital, Beverly	Rotating
O'Connell, C. Thomas	St. Elizabeth's Hospital, Brighton	Rotating
O'Connor, John F.	Bellevue Hospital, New York, N. Y.	Medicine
O'Hara, Vincent S.	Massachusetts Memorial Hospitals, Boston	Surgery
Oliver, Peter	Massachusetts Memorial Hospitals, Boston	Surgery
Oyama, Henry T.	Massachusetts Memorial Hospitals, Boston	Surgery
Ozer, Mark N.	Stanford University Hospitals, San Francisco, Calif.	Medicine
Papazian, Clemeant E.	Meadowbrook Hospital, Hempstead, L. I., N. Y.	Rotating
Pierce, David L.	New Britain General Hospital, New Britain, Conn.	Rotating
Pine, Harry L.	Naval Hospital, Chelsea	Rotating
Pitula, Dorothy M.	Jersey City Medical Center, Jersey City, N. J.	Rotating
Prendergast, Robert A.	Bellevue Hospital, New York, N. Y.	Medicine
Primich, Frederic F.	Lenox Hill Hospital, New York, N. Y.	Rotating
Priore, Robert M.	Buffalo General Hospital, Buffalo, N. Y.	Rotating
Rankin, Joel	Beth Israel Hospital, Boston	Medicine
Reynolds, Charles T.	Massachusetts Memorial Hospitals, Boston	Surgery
Ruscio, Joseph F.	Boston City Hospital, Boston	Surgery
Shapiro, Donald L.	Kings County Hospital, Brooklyn, N. Y.	Medicine
Shapiro, Jay R.	Bronx Municipal Hospital Center, New York, N. Y.	Medicine
Sherman, Joseph D.	Massachusetts Memorial Hospitals, Boston	Medicine
Shohov, Panteleymon	Maimonides Hospital, Brooklyn, N. Y.	Rotating
Sjogert, Herbert C.	Newton-Wellesley Hospital, Newton	Rotating
Smith, William L.	George F. Geisinger Memorial Hospital, Danville, Pa.	Rotating
Spinello, Guy V.	Marine Hospital, Brighton	Mixed
Tromovitch, Theodore A.	San Francisco Hospital, San Francisco, Calif.	Rotating
Waller, Julian A.	Mary Fletcher Hospital, Burlington, Vt.	Rotating
Wiener, William	Massachusetts Memorial Hospitals, Boston	Medicine
Wilson, Robert	Kings County Hospital, Brooklyn, N. Y.	Rotating
Zalusky, Ralph	Duke Hospital, Durham, N. C.	Medicine
Zetterlund, Russell P.	Worcester City Hospital, Worcester	Rotating
Ziskind, Alan E.	Boston City Hospital, Boston	Pediatrics

Register of Students

Class of June, 1958

- Abrams, Robert M. Holyoke
B.A., Amherst College, 1954
- Alfenito, Ralph F. Pelham Manor, N. Y.
A.B., Columbia University, 1954
- Alver, Eugene C. Wantagh, N. Y.
M.D., Friedrich Alexander University, 1949
- Belzer, Folkert O. Wassenaar, Holland
B.A., Colby College, 1954
A.M., Boston University, 1954
- Boyd, William A. State College, Pa.
B.S., University of Pennsylvania, 1949
M.S., 1950, Ph.D., 1954, University of Illinois
- Buckley, Mortimer J., Jr. Worcester
A.B., College of the Holy Cross, 1954
- Cabeceiras, Henry J., Jr. Belmont
B.S., Tufts College, 1954
- Carr, James I., Jr. Dighton
B.A., Denison University, 1954
- Cataldo, Joseph Charlestown
A.B., Harvard University, 1953
- Cates, William J. Kingston, N. Y.
A.B., Harvard University, 1954
- Chiarenza, John J. Brooklyn, N. Y.
A.B., Columbia University, 1953
M.A., Brooklyn College, 1954
- Ching, Yi-Chuan Honolulu, Hawaii
A.B., Harvard University, 1954
- Conte, Robert J. Boston
A.B., Harvard University, 1954
- Cook, David C. Dorchester
A.B., Harvard University, 1954
- DeCosta, Donald A. South Portland, Me.
B.A., University of Maine, 1954
- Feldman, Morton G. Forest Hills, N. Y.
A.B., Franklin and Marshall College, 1954
- Finn, Arthur L. Brookline
A.B., Harvard University, 1954
- Fisch, Gilbert R. Newark, N. J.
B.Sc., Rutgers University, 1953
- Foner, Brenda Gilfix Boston
A.B., Radcliffe College, 1954
- Formisano, Victor R. Bristol, R. I.
B.S., Providence College, 1952
Sc.M., Brown University, 1954
- Frost, Robert G. Beverly
A.B., Boston University, 1953
- Gaeta, Joseph R. Providence, R. I.
Brown University
- Gordon, Kenneth B. Brookline
B.S., Boston College, 1952
M.S., Northwestern University, 1954
- Hambly, Asa F. Tiverton, R. I.
B.S., Tufts College, 1954
- Healy, Paul J. Pawtucket, R. I.
A.B., Fordham University, 1953
- Hecht, Sanford D. Newtonville
A.B., 1953, A.M., 1954, Boston University
- Hermann, George A. Ft. Thomas, Ky.
A.B., Harvard University, 1954
- Hurley, Regina H. West Newton
A.B., Regis College, 1954
- Jackson, David R. Brockton
A.B., Harvard University, 1954
- Kaplan, Richard N. Worcester
B.A., Amherst College, 1954
- Karlsberg, Paul Quincy
A.B., Harvard University, 1954
- Kay, Foster Fall River
A.B., Middlebury College, 1954
- Kelley, Donald L. Worcester
A.B., Clark University, 1953
- Kelly, Leo T. East Boston
A.B., Boston College, 1954
- King, Denis W. Lowell
Bowdoin College
- Koury, Edmond M. Torrington, Conn.
B.S., College of the Holy Cross, 1954
- Kurkjian, John M. West Newton
B.S., Tufts College, 1953
M.S., University of Illinois, 1954
- Lee, Lucy Boston
M.D., University of Santo Tomas, 1948
- Locke, Murray S. Providence, R. I.
A.B., Harvard University, 1954
- Lombard, Donald R. Caribou, Me.
B.A., University of Maine, 1953
- Loneran, Edmund T. New York, N. Y.
A.B., New York University, 1954
- Lubke, Bernard W. Heiloo, Holland
A.B., Boston University, 1954
- Lucas, Charles P. Medford
A.B., Harvard University, 1950
- Luka, Edward W. Garfield, N. J.
A.B., Columbia University, 1954
- MacLeod, Jane M. Cambridge
A.B., Radcliffe College, 1954
- Manuel, Barry M. Winthrop
A.B., Boston University, 1954
- McDonough, Glenna L. Wollaston
A.B., Boston University, 1954
- McGarry, Armand L. Brookline
A.B., Harvard University, 1951
- McGinn, John F. Bangor, Me.
A.B., University of Pennsylvania, 1951
A.M., Boston University, 1954
- McLaren, John J. Medford
B.S., Bates College, 1952
M.S., University of Maryland, 1954
- McLellan, Patricia A. Short Hills, N. J.
A.B., Boston University, 1954
- O'Brien, Bernard E. Dorchester
A.B., Harvard University, 1954
- Palumbo, Ralph R. Kensington, Conn.
B.S., University of Maryland, 1954
- Peterson, Hart deC. Newton Centre
A.B., Middlebury College, 1954
- Powell, Jean MacM. Waban
B.A., Smith College, 1954
- Powell, Ralph D., Jr. Weston
B.A., Amherst College, 1954
- Quintiliani, Albert, Jr. Norwich, Conn.
A.B., Harvard University, 1954
- Ritter, Kenneth J. West Hempstead, N. Y.
A.B., Indiana University, 1949
- Rosenfield, Gerald A. Boston
A.B., University of Chicago, 1952
- Saunders, Francis P. Quincy
A.B., Boston College, 1954
- Schepis, N. Paul Medford
B.S., Tufts College, 1954
- Shealy, A. Craig Norwood
B.A., Yale University, 1949
- Stone, Sumner Brookline
A.B., Harvard University, 1954
- Sullivan, Louis W. Blakely, Ga.
B.S., Morehouse College, 1954
- Tefft, Melvin Brighton
A.B., Harvard University, 1954
- Thoburn, Theodore W. Melrose
B.S., Bates College, 1954
- Thompson, James L. Arkansas City, Kans.
B.S., Boston University, 1954
- Toomey, James M. Springfield
B.S., College of the Holy Cross, 1951
D.M.D., Harvard University, 1955
- Waye, Jerome D. Trenton, N. J.
S.B., Massachusetts Institute of Technology, 1954
- Weinstein, Albert Bridgeport, Conn.
B.A., Wesleyan University, 1954
- Woodman, Earle G. Los Angeles, Calif.
B.A., University of California at Los Angeles, 1954
- Zonis, Richard D. Brookline
A.B., Harvard University, 1954

Class of June, 1959

Alpert, Laurence I.	Newton Centre	Milstein, I. Robert	Dorchester
A.B., Harvard University, 1955		A.B., Boston University, 1954	
Anlyan, Frederick H.	Hamden, Conn.	Mueller, Julius H., III	Waltham
B.A., Yale University, 1951		B.S., Brandeis University, 1955	
Avery, Nicholas C.	Jamaica, N. Y.	Muirhead, Donald M.	West Newton
A.B., Columbia University, 1955		B.A., Wesleyan University, 1953	
Basch, Richard I.	Chestnut Hill	Nesson, H. Richard	Brookline
A.B., Harvard University, 1955		A.B., Harvard University, 1954	
Belleau, Thomas	Sanford, Me.	M.S., Boston University, 1955	
A.B., University of Indiana, 1955		Obayashi, Nobuko	Makawao, Maui, Hawaii
Bennett, John M.	Chestnut Hill	B.A., University of Hawaii, 1955	
A.B., Harvard University, 1955		O'Brien, John F.	Hingham
Blinstrub, Richard S.	Chestnut Hill	B.S., Tufts University, 1955	
B.S., Tufts College, 1952		Ofofile, Anselm A.	Jos, Nigeria
A.M., Boston College, 1954		A.B., Lincoln University, 1953	
Bouras, Leonard	Brockton	A.M., Boston University, 1955	
A.B., Brown University, 1955		O'Hanley, Alexander L.	Newport, R. I.
Bowen, Harry E.	Islington	B.S., Providence College, 1955	
B.S., 1943, M.S., 1948, University of Connecticut		O'Toole, John B., III	New Bedford
Ph.D., Yale University, 1951		B.S., College of the Holy Cross, 1955	
Brown, Hope Nesbit	Springfield, Vt.	Philbrook, Kenneth L.	Auburn, N. Y.
A.B., Vassar College, 1946		B.S., Franklin and Marshall College, 1955	
A.M., Radcliffe College, 1949		Pillone, Peter R.	Palisades, N. J.
Casale, Louis A.	Brighton	B.S., Seton Hall University, 1953	
B.S., Boston College, 1954		Pollard, James J.	Marblehead
Comuale, Francis L.	Medford	B.A., Providence College, 1955	
B.S., Tufts University, 1955		Pope, Frederick S.	Hyde Park
Dell Angelo, Robert J.	Syracuse, N. Y.	B.A., Amherst College, 1955	
B.S., Syracuse University, 1955		Pugatch, Eugene M. J.	Dorchester
Del Vecchio, Pasquale A.	Bogota, N. J.	A.B., Brandeis University, 1955	
B.S., Columbia University, 1954		Queueley, George N.	Boston
Drummond, Charles D., Jr.	Pawtucket, R. I.	B.S., University of Michigan, 1953	
A.B., Brown University, 1954		Reilly, Philip S.	Lowell
M.S., University of Connecticut, 1955		A.B., Dartmouth College, 1955	
Field, Michael	Brookline	Reynolds, Nicholas C., Jr.	Revere
A.B., University of Chicago, 1953		A.B., Harvard University, 1955	
Fintz, T. Robert	New York, N. Y.	Rodman, F. Robert	Brookline
A.B., Columbia University, 1955		A.B., Harvard University, 1955	
Flaxman, Larry	Brooklyn, N. Y.	Rosenblatt, Gerald	Quincy
A.B., Harvard University, 1955		A.B., 1953, Ed.M., 1954, Boston University	
Gabe, P. Grace	New York, N. Y.	M.P.H., Yale University, 1955	
A.B., Radcliffe College, 1955		Rudolph, Byron N.	Albuquerque, N. M.
Gazzaniga, Frank C.	Flushing, N. Y.	A.B., Harvard University, 1952	
A.B., Columbia University, 1953		Sade, Eleanore R.	Concord
Gillies, Richard W.	Greenwich, Conn.	B.S., Simmons College, 1951	
A.B., Harvard University, 1952		D.M.D., Harvard University, 1956	
Gilmour, James H., Jr.	West New York, N. J.	Sammartino, William F.	Providence, R. I.
A.B., Harvard University, 1955		A.B., Brown University, 1953	
Hovey, Daniel B.	Addison, N. Y.	M.S., University of Illinois, 1955	
A.B., Columbia University, 1955		Savola, Robert H.	Weymouth
Johnson, Roy A.	Quincy	A.B., Harvard University, 1955	
A.B., Harvard University, 1955		Scolaro, Michael J.	New York, N. Y.
Jones, Florence Geller	Bronx, N. Y.	B.S., Columbia University, 1955	
B.A., Queens College, 1953		Seymour, Philip D.	Lexington
Kaplan, Sandra J.	Chicago, Ill.	A.B., Harvard University, 1955	
B.S., University of Illinois, 1956		Simmons, Richard L.	Malden
Learmonth, George J.	Sullivan, Ind.	A.B., Harvard University, 1955	
B.S., Purdue University, 1951		Snell, Kenneth B.	Orange, Conn.
Levy, Harold D.	Branford, Conn.	A.B., Dartmouth College, 1955	
B.A., Yale University, 1955		Swanson, Ronald A.	West Bridgewater
Loneragan, Peggy	Boston	B.A., Colby College, 1955	
Radcliffe College		Tenaglia, Alfred W.	Medford
Malamud, Michael H.	Weston	B.S., Boston College, 1954	
A.B., Brown University, 1955		Thornton, George F.	Newtonville
Mancini, Joseph P., Jr.	Malden	A.B., Harvard University, 1955	
B.A., Yale University, 1955		Tucci, Joseph R.	Providence, R. I.
Mariano, Arcangelo V.	Hyde Park	A.B., Brown University, 1955	
A.B., Boston University, 1955		Webb, Mary	Franklin
McAuley, Robert L.	Dorchester	B.S., Boston University, 1955	
A.B., Boston University, 1955		Wiseblood, Herbert L.	Malden
McLaughlin, Robert J.	Winchester	A.B., Boston University, 1955	
B.S., Tufts University, 1955		Wong, Arnold	Oakland, Calif.
		A.B., Boston University, 1953	

Class of June, 1960

- Abbot, George H. Andover
 A.B., Harvard University, 1952
 Aiello, Lloyd M. Cambridge
 A.B., Harvard University, 1954
 Albert, Morris S. Gloucester
 A.B., Harvard University, 1956
 Allen, Frank H. Dorchester
 A.B., Harvard University, 1956
 Anderson, V. Jane New Canaan, Conn.
 A.B., Smith College, 1955
 Burton, Thomas P. Bismarck, N. D.
 A.B., Harvard University, 1956
 Butkiewicz, Alexander Brooklyn, N. Y.
 A.B., Columbia University, 1956
 Chock, Raymond Y. W. Honolulu, Hawaii
 A.B., Boston University, 1955
 Clark, William R., Jr. Metamora, Mich.
 A.B., Yale University, 1956
 Cochran, Robert C. Auburndale
 A.B., Princeton University, 1955
 Comeau, Roger W. Quincy
 A.B., Boston University, 1955
 Condon, Paul F. Dorchester
 B.S., Boston College, 1956
 Connolly, Olga F. Brighton
 Charles University of Prague
 Conrad, Robert L. Brighton
 A.B., Brown University, 1954
 A.M., Boston University, 1956
 Cooley, Mark H. Hingham
 Boston University
 Crowley, Herbert R. Bronxville, N. Y.
 A.B., Brown University, 1956
 D'Alessandro, Vincent A. Providence, R. I.
 B.S., Tufts University, 1955
 D'Andrea, Amleto E., Jr. Providence, R. I.
 A.B., Providence College, 1956
 D'Arin, William F., Jr. Lowville, N. Y.
 A.B., Hamilton College, 1956
 deFreitas, Gabriel F. New Bedford
 A.B., Brown University, 1956
 Driscoll, Robert J. Brighton
 B.S., St. Michael's College, 1952
 M.S., Boston College, 1956
 Eades, Charles F. Newtonville
 A.B., Bowdoin College, 1956
 Fontaine, George W. Wethersfield, Conn.
 B.A., University of Connecticut, 1953
 Goodman, Alan N. Forest Hills, N. Y.
 B.A., University of Pennsylvania, 1956
 Greene, Leonard A. Chelsea
 A.B., Boston University, 1952
 M.S., Columbia University, 1953
 Hagan, Ralph E. Raynham
 A.B., Brown University, 1956
 Hastings, Elliot P. Manchester, N. H.
 B.S., Yale University, 1956
 Idelson, Beldon A. Cambridge
 S.B., Massachusetts Institute of Technology, 1956
 Ilman, Arnold M. Dorchester
 A.B., Harvard University, 1955
 Ionta, Anthony V. North Providence, R. I.
 A.B., Providence College, 1956
 Isaacs, Sidney E. Rochester, N. Y.
 A.B., Hobart College, 1955
 Jeffries, Peter F. Milton
 A.B., Harvard University, 1956
 Kacoyanis, George J. Somerville
 S.B., Northeastern University, 1950
 Ph.D., Boston University, 1957
 Kantrowitz, Warren Natick
 A.B., Harvard University, 1956
 Kaplan, Gerold A. Revere
 A.B., Boston University, 1954
 Kaplan, Naomi P. Dorchester
 B.S., Springfield College, 1953
 Kaufman, Sheldon D. Brookline
 A.B., Harvard University, 1956
 Kelley, David B. West Newton
 S.B., Massachusetts Institute of Technology, 1956
 Kim, Robert M. Paterson, N. J.
 B.S., Yale University, 1956
 Kramer, David H. Brooklyn, N. Y.
 B.A., University of Wisconsin, 1956
 Krey, Phoebe R. Ward Hill
 S.B., Northeastern University, 1955
 Lamarche, Paul H. Norwood
 B.S., Boston College, 1956
 Lanzoni, Vincent Somerville
 B.S., 1949, Ph.D., 1953, Tufts College
 Macdonald, Constance Duxbury
 B.A., Wells College, 1950
 Maselli, Joseph P. Hamden, Conn.
 B.A., Yale University, 1956
 McCready, James W., Jr. Dobbs Ferry, N. Y.
 A.B., Harvard University, 1950
 McLean, Walter L. Dorchester
 A.B., Harvard University, 1956
 McQuillen, James B. Brooklyn, N. Y.
 A.B., College of the Holy Cross, 1956
 Morley, Kenneth C., Jr. Maplewood, N. J.
 A.B., Brown University, 1956
 Murphy, John D. Arlington
 A.B., Boston College, 1956
 Namiot, Robert M. Waltham
 A.B., Boston University, 1956
 Nicolai, Eleanor S. South Weymouth
 B.S., University of Massachusetts, 1956
 O'Brien, Gerald F. Springfield
 B.A., Williams College, 1949
 Petrali, John P., Jr. Fairview, N. J.
 B.S., Davis and Elkins, 1955
 Pettigrew, Anne H. Morristown, N. Y.
 A.B., Radcliffe College, 1956
 Pollack, Jerome Brooklyn, N. Y.
 A.B., Oberlin College, 1955
 Rhoads, John B. Harrisburg, Penn.
 B.A., Haverford College, 1956
 Romeyn, Dirk Melrose
 S.B., Tufts University, 1955
 Rundlett, Fred A. Danvers
 S.B., Northeastern University, 1954
 Russell, Paul L. Bethesda, Md.
 A.B., Harvard University, 1956
 Schwartz, Ronald A. Fall River
 A.B., Brown University, 1956
 Scola, Francis H. Providence, R. I.
 A.B., Harvard University, 1956
 Sulco, Mario J. Westerly, R. I.
 A.B., Brown University, 1956
 Shea, Thomas E. Dorchester
 A.B., Harvard University, 1956
 Silverman, Jason G. Malden
 A.B., 1955, A.M., 1956, Boston University
 Slover, William P., Jr. Manchester, Conn.
 B.A., Yale University, 1956
 Smith, Richard R. Ashtabula, Ohio
 B.S., Vanderbilt University, 1956
 Smith, Thomas C. Randolph
 A.B., Oberlin College, 1947
 A.M., 1949, Ph.D., 1951, Harvard University
 Sommer, Robert F. Saugerties, N. Y.
 A.B., Syracuse University, 1956
 Spivack, Martin L. Bridgeport, Conn.
 B.A., University of Michigan, 1950
 A.M., 1952, Ph.D., 1954, Boston University
 Steinfeld, Robert P. Weehawken, N. J.
 A.B., Columbia University, 1956
 Sweet, Roger H. Boston
 A.B., Harvard University, 1956
 Thorp, Richard H. Melrose
 A.B., Dartmouth College, 1956
 Walker, Michael D. New Haven, Conn.
 B.A., Yale University, 1956
 Wallace, Julian C. Mattapan
 A.B., Harvard University, 1955
 Weingarten, Charles H. Forest Hills, N. Y.
 A.B., Brown University, 1956
 Whalen, John J., Jr. South Boston
 Boston College
 Wills, Arthur A. Marshfield
 A.B., Harvard University, 1956

Class of June, 1961

- Alfaro, Maurice J. Bronxville, N. Y.
A.B., Brown University, 1956
- Andrews, Philip J. Milton
A.B., Harvard University, 1957
- Arena, Philip J. East Boston
A.B., Harvard University, 1957
- Arnold, Jeanne F. Saylesville, R. I.
B.A., Colby College, 1957
- Ballard, Charles A. Reseda, Calif.
Occidental College
- Baron, Joseph A., Jr. Lynn
Boston College
- Berg, Arthur Z. Brookline
Boston University
- Berkson, Richard P. Long Island, N. Y.
A.B., Columbia University, 1957
- Biery, M. Barbara Estherville, Iowa
B.S., Wheaton College, 1957
- Carr, Andrew C. Dighton
A.B., Denison University, 1957
- Casais, John A. Bayonne, N. J.
A.B., Columbia University, 1957
- Cavell, Richard J. Long Island, N. Y.
A.B., Cornell University, 1957
- Cohen, Stafford I. Chestnut Hill
A.B., Brown University, 1956
- Cole, Elizabeth F. St. Helena, Calif.
A.B., University of California, 1952
- Colson, Joseph B. Kingston, R. I.
B.S., Tufts University, 1953
- Covino, Benjamin G. Lawrence
A.B., 1951, M.S., 1953, College of the Holy Cross
Ph.D., Boston University, 1955
- DeSanctis, Peter N. New York, N. Y.
A.B., New York University, 1952
- Dewis, Lester S. Natick
A.B., Boston University, 1957
- Dolins, Richard S. Hyannis
A.B., Harvard University, 1955
- Drews, Ralph G. Pelham Manor, N. Y.
A.B., Hamilton College, 1957
- Eviy, Jack T. South Lynnfield
A.B., Harvard University, 1957
- Fried, Larry C. New York, N. Y.
A.B., Columbia University, 1956
- Fujinaga, Dorothy M. Aiea, Hawaii
B.A., University of Hawaii, 1957
- Gallitano, Alphonse L. Waltham
B.S., Boston College, 1957
- Garcia, George E. Oakland, Calif.
B.S., University of California, 1952
- Ghareeb, George E. Springfield
B.S., Tufts University, 1955
- Gilmour, Edward E. Hamden, Conn.
B.E., 1952, M.A., 1957, Yale University
- Glass, William L. Taunton
A.B., 1956, A.M., 1957, Boston University
- Goldberg, Ronald I. Medford
A.B., Brandeis University, 1957
- Gordon, Alan L. New York, N. Y.
A.B., Columbia University, 1957
- Grodner, Albert S. New York, N. Y.
A.B., Brandeis University, 1957
- Guarino, Lawrence A. Newark, N. J.
A.B., Columbia University, 1957
- Hanley, John Durham, England
Springfield College
- Huang, Bernard Lin-Nan New Hyde Park, N. Y.
A.B., Boston University, 1957
- Jepsson, John R. New Rochelle, N. Y.
A.B., Harvard University, 1957
- Kelley, Thomas A., Jr. Somerville
A.B., Harvard University, 1956
- Kennedy, Francis K. Castle Creek, N. Y.
A.B., Hamilton College, 1957
- Kennedy, Patricia J. Milton
A.B., Radcliffe College, 1953
- Kulik, Stephen A. Cambridge
A.B., Harvard University, 1956
A.M., Columbia University, 1957
- LaGattuta, Laurence A. Bound Brook, N. J.
A.B., Boston University, 1957
- Leblang, Stanley V. Middle Village, N. Y.
B.S., Columbia University, 1957
- Lee, Arthur B., Jr. Brooklyn, N. Y.
A.B., Clark University, 1957
- Leventhal, John M. Chicago, Ill.
B.S., Purdue University, 1951
- Levy, Leonard J. New York, N. Y.
B.A., Yale University, 1957
- Litner, Richard H. Everett
A.B., Harvard University, 1955
- Maesaka, John K. Wahiawa, Hawaii
A.B., Harvard University, 1957
- Moalli, Daniel E. New Haven, Conn.
B.S., Yale University, 1957
- Monif, Gilles R. Forest Hills, L. I., N. Y.
B.A., Swarthmore College, 1957
- Mosher, Carter G. Springfield
B.A., Yale University, 1956
- Murray, Anne W. Dorchester
A.B., Emmanuel College, 1951
M.S., Catholic University of America, 1957
- Neiterman, Arthur J. Malden
Dartmouth College
- Parisier, Simon C. New York, N. Y.
A.B., Columbia University, 1957
- Pearlman, Eliot J. Brookline
S.B., Massachusetts Institute of Technology, 1957
- Perkinson, Raymond H., Jr. Hingham
A.B., Harvard University, 1957
- Perrone, Vincent M. Hartford, Conn.
B.S., Teachers College of Connecticut, 1953
- Quigley, William S. Belmont
S.B., Massachusetts Institute of Technology, 1952
- Quintiliani, Richard Norwich, Conn.
A.B., Harvard University, 1957
- Rapoport, Alan H. Richmond Hill, N. Y.
A.B., Columbia University, 1957
- Reichart, Albert Everett
A.B., Harvard University, 1954
- Robbins, Gordon B. Brookline
A.B., Harvard University, 1953
- Rodvien, David New York, N. Y.
A.B., Columbia University, 1956
- Sanidas, Dennis J., Jr. New Bedford
A.B., Dartmouth College, 1957
- Schloss, Jay Baltimore, Md.
A.B., University of Chicago, 1956
- Sexton, Patricia R. Saratoga Springs, N. Y.
A.B., Goucher College, 1957
- Sirkus, Harry M. Brooklyn, N. Y.
A.B., Brandeis University, 1956
- Talamo, Richard C. Worcester
A.B., Harvard University, 1957
- Tate, William J. Deep River, Conn.
B.A., Yale University, 1954
- Taylor, James E. Belmont
A.B., Harvard University, 1952
- Tumey, Lincoln E. Easthampton
B.S., University of Massachusetts, 1957
- Van Orman, Peter Short Hills, N. J.
A.B., Columbia University, 1957
- Waltuch, Theodore L. New Haven, Conn.
B.A., Yale University, 1957
- Weiner, Edward A. Brooklyn, N. Y.
A.B., Columbia University, 1957
- White, Burton Brookline
A.B., Harvard University, 1956
- White, Philip S. Falmouth
Boston University

Graduate School

Division of Medical Sciences

Anlyan, Frederick H.	Hamden, Conn.	MacLeod, Alan	Wakefield
B.A., Yale University, 1951		B.S., Tufts University, 1951	
Aronson, Robert B.	Seneca Falls, N. Y.	McNichol, Mary	Peabody
A.B., Harvard University, 1952		A.B., Boston University, 1957	
Baskys, Bronius	South Boston	Miller, John T.	Wellesley
Diploma, Jurharkas Gymnasium, Lithuania		B.A., Reed College, 1953	
A.B., Boston University, 1955		Morello, Josephine	Boston
Brown, Mayo	Milton	N.S., Simmons College, 1957	
A.B., Washington University, 1948		Norris, Karl	Roxbury
M.S., Tufts University, 1953		A.B., Harvard University, 1956	
Dibner, Iris	Worcester	Pastore, Edward J.	Cranston, R. I.
B.A., Swarthmore College, 1948		B.S., Rhode Island State College, 1950	
M.S., University of Michigan, 1949		A.M., Boston University, 1952	
Eichhorn, John H.	Shrewsbury	Reynolds, Orland B.	Milton
B.S., University of Illinois, 1950		B.S., Idaho State College, 1944	
Everhart, Donald L.	Tarentum, Pa.	A.M., Boston University, 1955	
B.S., Grove City College, 1954		Rogers, Bernard	Beaumont, Tex.
Ferrante, John G.	Madison, Wis.	B.S., Lamar State College of Technology, 1955	
B.S., New England College of Pharmacy, 1954		Rubin, Robert J.	Brighton
M.S., University of Wisconsin, 1955		B.S., University of Massachusetts, 1953	
Fish, C. Austin	Boylston	A.M., Boston University, 1955	
A.B., Harvard University, 1947		Sher, Ruth	Newton
A.M., Boston University, 1950		B.S., University of Massachusetts, 1957	
Goldstein, Leon	Malden	Shlevin, Ena D.	Pawtucket, R. I.
B.S., New England College of Pharmacy, 1954		B.A., 1940, B.Sc., 1942, McGill University	
Greaney, Joseph F.	Dorchester	Silverman, Jason	Malden
A.B., Harvard University, 1949		B.S., Boston University, 1955	
M.D., Boston University, 1957		Stella, Evelyn	Belmont
Klein, LeRoy	Irvington, N. J.	A.B., Boston University, 1955	
A.B., Syracuse University, 1950		Torres, Joseph	Newton
A.M., Boston University, 1952		B.S., Stonehill College, 1954	
Lentini, Eugene	Dorchester	M.S., Boston College, 1956	
A.B., 1951, A.M., 1952, Boston University		Weil, Daniel B.	Cambridge
Lynch, Patricia	Wollaston	A.B., Harvard University, 1954	
S.B., Northeastern University, 1955			

Summary

	<i>Men</i>	<i>Women</i>	<i>Total</i>
First Year Class	67	7	74
Second Year Class	71	7	78
Third Year Class	60	7	67
Fourth Year Class	65	7	72
Graduate School	22	7	29
	<hr/>	<hr/>	<hr/>
	285	35	320

SCHOOL OF MEDICINE ALUMNI ASSOCIATION
INCORPORATED AUGUST 5, 1902

This Association includes all graduates of the School and was formed for the purpose of promoting social and friendly relations between the alumni as well as co-operating with the faculty in maintaining a high standard of medical education.

In accordance with the By-Laws adopted at the annual meeting, 1902, and amended in 1949, "All graduates as doctors of medicine of Boston University School of Medicine shall, upon their graduation, become members of this Association."

The annual business meeting of the Association is held in May in Boston. Reunions are held in the afternoon followed by the annual banquet in the evening.

The annual fund roll call is organized by the Fund Committee. The alumni are solicited by their various class captains. The allocation of the annual fund is made by the Executive Committee upon the advice of the Finance Committee. The alumni fund of the School of Medicine is controlled entirely by the School alumni officers and is entirely independent of the Boston University General Alumni Drive. The amounts raised are used to further various projects of interest to the School and its students.

During the year, the business of the School of Medicine Alumni Association is carried out by its duly elected officers and Executive Committee. Executive Committee meetings are held monthly during the school year.

It is earnestly hoped the alumni will interest themselves in the work of the Association and assist the officers in furtherance of its objectives, primarily scholarships, library aid, audio-visual assistance, and financial aid in publishing of the *Boston Medical Quarterly*.

All changes in addresses and items of interest should be forwarded to the class secretary, or to Miss Grace E. Auburn, Executive Secretary, Alumni Association, 80 East Concord Street, Boston 18, Massachusetts.

MEDICAL ALUMNI ASSOCIATION EXECUTIVE COMMITTEE 1957-1958

OFFICERS

President	Ronald W. Adams, M.D., '33
First Vice President	George Gagliardi, M.D., '34
Second Vice President	Andrew D. Elia, M.D., '35
Secretary	Roland P. Wilder, M.D., '36
Assistant Secretary	Isabel S. Money, M.D., '40
Treasurer	Theodore A. Potter, M.D., '38
Auditor	David B. Stearns, M.D., '26

BOARD OF DIRECTORS

<i>Term Expires</i> 1958	Francis R. Kenney, M.D., '42
	Herbert Mescon, M.D., '42
<i>Term Expires</i> 1959	William F. Brown, M.D., '47
	Charles C. Thompson, M.D., '42
<i>Term Expires</i> 1960	John F. McManus, M.D., '36
	John P. Rattigan, M.D., '39

CHAIRMEN OR CO-CHAIRMEN OF COMMITTEES

Alumni Fund	William F. Croskery, M.D., '37
	Samuel E. Leard, M.D., '42
	Norman S. Stearns, M.D., '47
Alumni Day and Annual Meeting	Joseph J. Bradley, M.D., '35
	Grant M. Dixey, M.D., '38
Finance Committee	Ensio K. F. Ronka, M.D., '27
Freshman Reception	David B. Stearns, M.D., '26
Past Presidents Committee	Kenneth Christophe, M.D., '28
	Thomas A. Kelley, M.D., '29 — Chairman
	Nathan L. Fineberg, M.D., '30
	H. Arthur Berson, M.D., '31
	Robert J. Donovan, M.D., '32

General Alumni Association

The Boston University General Alumni Association is composed of graduates and former students of the University. Organized on March 7, 1928, as a department of the University, it serves the mutual interests of the alumni and the University.

The Board of Directors. The governing body of the General Alumni Association is the Board of Directors, composed of four members from each of the Schools and Colleges of the University, elected by the School and College Alumni Associations for four-year terms. The General Alumni President, Recording Secretary and four Vice-Presidents, elected by the active members of the General Association for one year, are also members of the Board, with the President acting as Chairman. The University Treasurer is also Treasurer of the General Alumni Association. The General Alumni Executive Secretary is the executive director of all alumni activity of Boston University.

Bostonia. The Boston University Alumni Magazine has had an unbroken existence since 1898. It is published quarterly and has a straight subscription fee of \$2.00 a year.

Alumni Clubs. There are active Alumni Clubs from coast to coast. The Alumni Office helps in the formation of Alumni Clubs and assists in their meetings and promotion.

The Alumni Office. The offices of the General Alumni Association are maintained at 308 Bay State Road, Boston 15, Massachusetts. Here are kept the records of former students; the editorial office of *Bostonia*; facilities to aid alumni in promoting class organizations, the Alumni Fund, Reunions, and all phases of Alumni work. It services the School and College Alumni Associations which are its components. You are welcome at the Alumni Office at any time.

BOSTON UNIVERSITY

Founded 1839; Chartered 1869 as Trustees of Boston University

HAROLD C. CASE, President of the University

J. WENDELL YEO
Academic Vice President

ROBERT F. OXNAM
Administrative Vice President

755 Commonwealth Avenue, Boston 15, Massachusetts

- COLLEGE OF LIBERAL ARTS:** A.B. degree in arts and sciences.
EDWARD K. GRAHAM, *Dean*, 725 Commonwealth Avenue
- COLLEGE OF BUSINESS ADMINISTRATION:** Undergraduate and graduate degrees of B.S. in B.A. and M.B.A. in business administration; A.C.S. and B.S. degrees in secretarial studies.
WILLIAM G. SUTCLIFFE, *Dean*, 685 Commonwealth Avenue
- COLLEGE OF PRACTICAL ARTS AND LETTERS:** (See programs of the College of Business Administration and the School of Fine and Applied Arts.)
- SARGENT COLLEGE OF PHYSICAL EDUCATION:** B.S. degree in physical education (women) and physical therapy (coeducational).
GEORGE K. MAKECHNIE, *Dean*, 6 Everett Street, Cambridge
- COLLEGE OF GENERAL EDUCATION:** An integrated two-year program in liberal studies leading to the A.A. degree. Covers freshman and sophomore years as an integral part of the requirements for a bachelor's degree in other colleges.
EDWARD K. GRAHAM, *Dean*, 785 Commonwealth Avenue
- COLLEGE OF INDUSTRIAL TECHNOLOGY:** Studies in aeronautics leading to certificates and A.S. and B.S. degrees.
B. LEROY SHELEY, *Acting Dean*, Logan Airport, Boston
- JUNIOR COLLEGE:** Two-year program for A.A. degree in general education.
JUDSON R. BUTLER, *Dean*, 688 Boylston Street
- SCHOOL OF THEOLOGY:** Degrees of M.R.E., S.T.B., S.T.M., and Th.D. Open only to college graduates.
WALTER G. MUELDER, *Dean*, 745 Commonwealth Avenue
- SCHOOL OF LAW:** Undergraduate and graduate degrees of LL.B. and LL.M.
ELWOOD H. HETRICK, *Dean*, 11 Ashburton Place
- SCHOOL OF MEDICINE:** Courses leading to the degree of M.D.
CHESTER S. KEEFER, *Director and Dean*, 80 East Concord Street
- SCHOOL OF EDUCATION:** Undergraduate and graduate degrees of B.S., Ed.M., and Ed.D. (including physical education for men). Part-time courses for teachers and school administrators.
MAX R. GOODSON, *Dean*, 332 Bay State Road
- SCHOOL OF SOCIAL WORK:** Graduate training in professional social work for M.S. in S.S. degree.
BEATRIX A. PARK, *Acting Dean*, 264 Bay State Road
- SCHOOL OF FINE AND APPLIED ARTS:** College of Music — undergraduate and graduate degrees of Mus.B., Mus.M., and Mus.A.D.; Division of Art — undergraduate and graduate degrees of B.F.A. and M.F.A.; Division of Theatre Arts — undergraduate and graduate degrees of B.F.A. and M.F.A.
ROBERT A. CHOATE, *Dean*, 25 Bladgen Street
- SCHOOL OF NURSING:** Undergraduate and graduate degrees of B.S. and M.S. in nursing and nursing education.
MARIE FARRELL, *Dean*, 264 Bay State Road
- SCHOOL OF PUBLIC RELATIONS AND COMMUNICATIONS:** Undergraduate and graduate degrees of B.S. and M.S. in public relations, journalism, photography, radio, television, and motion pictures.
MELVIN BRODSHAUG, *Dean*, 640 Commonwealth Avenue
- GRADUATE SCHOOL:** Courses leading to the degrees of A.M. and Ph.D.
EDWARD K. GRAHAM, *Acting Dean*, 725 Commonwealth Avenue
- EVENING DIVISION:** Evening, late afternoon, and Saturday morning courses leading to certificates and degrees offered by the University. All courses open to non-degree students.
JAMES F. BAKER, *Director*, 685 Commonwealth Avenue
- SUMMER TERM:** Beginning in May and continuing for twelve weeks, divided into two sessions of six weeks each. Courses leading to degrees offered by the University.
ROBERT W. SHERBURNE, *Director*, 685 Commonwealth Avenue

For information concerning any School or College, address the *Dean*
For other information, address the *President of the University*
