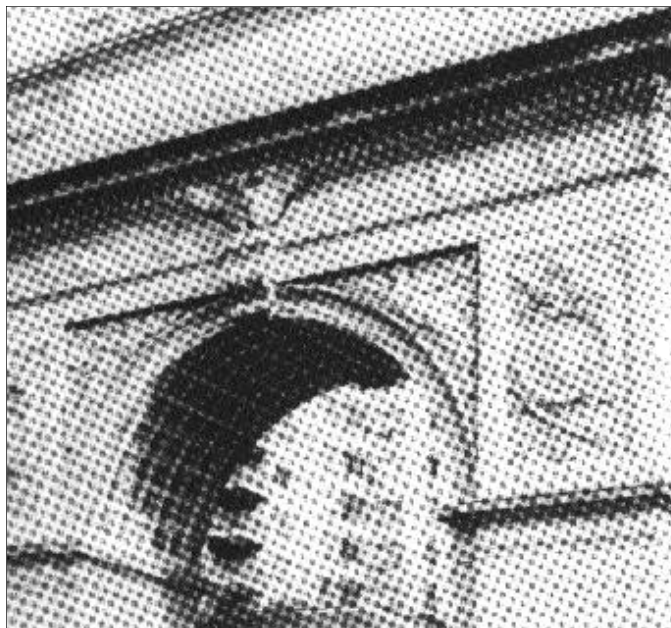

NEW YORK UNIVERSITY BULLETIN 2000 - 2001



THE LEONARD N. STERN SCHOOL OF BUSINESS

Announcement for the 85th Session

44 West Fourth Street

New York, NY 10012-1126

Telephone: (212) 998-0100

Notice. The policies, requirements, course offerings, schedules, activities, tuition, fees, and calendar of the school and its departments and programs set forth in this bulletin are subject to change without notice at any time at the sole discretion of the administration. Such changes may be of any nature, including, but not limited to, the elimination of the school, programs, classes, or activities; the relocation of or modification of the content of any of the foregoing; and the cancellation of scheduled classes or other academic activities. Payment of tuition or attendance at any classes shall constitute a student's acceptance of the administration's rights set forth in the above paragraph.

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The Leonard N. Stern School of Business

As we celebrate our Centennial Year, we are recommitting ourselves to making your educational experience as relevant and enriching as it can be. Our academic programs, our talented student body, our dedicated faculty, even our vibrant New York City location work together to create an educational experience that is uniquely Stern.

We have put in place the building blocks of an intellectual architecture that, while assuring a solid foundation in business discipline and practice, responds to the evolving business environment. Dynamic new programs in the digital economy; entrepreneurial studies; media, entertainment and telecommunications; quantitative finance; and law and business have strengthened the curriculum. These study tracks are further enhanced by Stern's research centers and institutes, which undertake significant academic research.

Our student body comprises men and women from diverse backgrounds who share high aspirations and the ability to succeed. We are dedicated to producing graduates equipped not only with the most up-to-date tools and skills, but with poise and perspective. To do so, we offer a broad selection of student organizations that foster many opportunities for our students to learn from each other. An active calendar of activities brings the world of business to the campus. Moreover, with one of the largest enrollments of international students, representing more than 40 countries and an international student exchange program that is the most extensive offered by any U.S. business school, Stern offers students the chance to gain a deep understanding of global business.

The more than 200 teachers/scholars who comprise Stern's full-time faculty combine superb academic credentials with real-world experiences and knowledge, taking pride in their efforts both in the classroom and in research. Over half of our faculty members live in Greenwich Village within blocks of the School, allowing an unusual degree of access and collegiality. Both our students and our faculty benefit from Stern's location in New York City, home to both Fortune 500 companies and new start-up ventures. At Stern, the intellectual landscape encompasses both Wall Street and Silicon Alley.

If you are considering attending a graduate business school, and, especially if you are considering one in the New York area, I urge you to visit the campuses under consideration. Evaluate the location, the facilities, the ambience, the culture. I am confident that you will choose the Stern School. The world of business is a meritocracy—it is based on knowledge, skill, and involvement. The Stern School is for people who appreciate this fundamental truth, embrace the challenge of excellence, and value personal achievement. If you are such a person, please consider the opportunities for personal and professional growth that our School offers.



George Daly

Dean

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The Leonard N. Stern School of Business Board of Overseers comprises some of the nation's leading business executives. They offer advice and counsel on our objectives and programs and assist in forging mutually beneficial relationships between the School and the business community.

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An Introduction to New York University

The founding of New York University (NYU) in 1831 by a group of eminent private citizens was a historic event in American education. In the early nineteenth century, a major emphasis in higher education was on the mastery of Greek and Latin, with little attention to modern or contemporary subjects. The founders of NYU intended to enlarge the scope of higher education to meet the needs of persons aspiring to careers in business, industry, science, and the arts, as well as in law, medicine, and the ministry. The opening of the University of London in 1828 convinced New Yorkers that New York, too, should have a university.

The first president of NYU's governing council was Albert Gallatin, former adviser to Thomas Jefferson and secretary of the treasury in Jefferson's cabinet. Gallatin and his cofounders said that the new university was to be a "national university" that would provide a "rational and practical education for all."

The result of the founders' foresight is today a university that is recognized both nationally and internationally as a leader in scholarship. Of the more than 3,000 colleges and universities in America, only sixty-one private institutions are members of the distinguished Association of American Universities. NYU is one of the sixty-one. Students come to the University from all fifty states and from 125 foreign countries.

The University includes fourteen schools and colleges at six major centers in Manhattan. In addition, the University operates branch campus programs in Westchester County at Manhattanville College and in Rockland County at St. Thomas Aquinas College. Certain of the University's research facilities, notably the Nelson Institute of Environmental Medicine, are located in Sterling Forest, near Tuxedo, New York. Although overall the University is large, the divisions are small- to moderate-sized units—each with its own traditions, programs, and faculty.

Enrollment in the undergraduate divisions ranges between 100 and 6,000. While some introductory classes in some programs have large numbers of students, many classes are small. More than 2,500 courses are offered, leading to more than twenty-five different degrees.



The Schools and Colleges of the University

The College of Arts and Science offers the Bachelor of Arts degree in a wide range of programs in the humanities, sciences, social sciences, and foreign languages and literatures, and, in some departments, the Bachelor of Science degree.

Joint programs of study currently involve NYU's Robert F. Wagner Graduate School of Public Service, Graduate School of Arts and Science, School of Education, Shirley M. Ehrenkranz School of Social Work, School of Medicine, and College of Dentistry, as well as Stevens Institute of Technology.

The School of Law is one of the oldest law schools in the United States. It offers a comprehensive first professional program leading to the degree of Juris Doctor and a graduate curriculum leading to the degrees of Master of Laws, Master of Comparative Jurisprudence, and Doctor of Juridical Science.

The School of Medicine and Post-Graduate Medical School offer the Doctor of Medicine and Doctor of Philosophy degrees and courses for accreditation designed to meet the needs of physicians in practice. Medical students and residents gain

clinical experience through the NYU Hospitals Center, which includes the 704-bed Tisch Hospital and the 174-bed Rusk Institute of Rehabilitation Medicine, both of which are part of the Mount Sinai-NYU Medical Center/Health System. The school also maintains affiliations with select institutions for a variety of joint academic and clinical programs. Most clinical teaching takes place at the 1,232-bed Bellevue Hospital, where the School of Medicine supervises care. Other affiliated hospitals include the Hospital for Joint Diseases, NYU Downtown Hospital, and the New York Department of Veterans Affairs Medical Center.

The Cooperative Care unit, housed in the Arnold and Marie Schwartz Health Care Center, offers an innovative health care program in which patients receive health care and educational services in a centralized area with the assistance of a live-in relative or friend.

The school's Skirball Institute of Biomolecular Medicine is one of the world's leading medical research centers, with research emphasizing the biomolecular roots of disease. Specific areas of focus include developmental genetics, molecular pathogenesis, neurobiology, and structural biology.

The College of Dentistry is the third oldest and largest private dental school in the United States. It is administered by the David B. Kriser Dental Center and is composed of clinics, laboratories, and other teaching facilities contained within several buildings. The Kriser Dental Center includes the Arnold and Marie Schwartz Hall of Dental Sciences and the K. B. Weissman Clinical Science Building.

The Graduate School of Arts and Science offers the degrees of Master of Arts, Master of Science, and Doctor of Philosophy in most areas of the humanities, social sciences, and natural sciences.

The School of Education offers undergraduate preprofessional and professional programs in the human service fields. In addition to the traditional education-related curricula in teaching and learning, administration, and applied psychology, the school offers work in health, physical therapy, and other health-related disciplines; a program in nutrition and food studies; foundational and research courses in the history of education, research methodologies, and humanities; undergraduate and graduate courses in nursing; and a full range of courses in music, art, and dance. Graduate students may enroll in master's, sixth-year certificate, and doctoral programs, and undergraduate work leads to the Bachelor of Science or Bachelor of Music degrees.

The Leonard N. Stern School of Business Undergraduate College administers the undergraduate business program. This program offers a new, innovative curriculum that integrates liberal arts studies with business studies. Through this course of study, students are exposed in a distinctive manner to the international dimensions of business; develop strong interpersonal and team-building skills; gain a sense of professional responsibility; and undertake cross-disciplinary course work while retaining a strong individualized component through elective course work. The undergraduate curriculum is a full-time course of study.

The School of Continuing and Professional Studies for more than sixty years has offered courses and workshops designed to meet the cultural and career needs of New York's adult population. The school's curricula include a wide range of credit and noncredit classes in real estate, information technologies, publishing, management, creative writing, business communications, foreign languages, direct marketing, and liberal arts; workshops for adults contemplating a career change; special services for people returning to college, women reentering the job market, and older adults; and opportunities to study for an associate's or a bachelor's degree or for a master's degree in real estate development and investment.

The Robert F. Wagner Graduate School of Public Service offers curricula in public administration, including non-profit management, financial management, public policy analysis, comparative and development administration, and international administration; urban public policy studies; urban planning; and health policy and management. Master's and doctoral degree programs are offered. The Advanced Professional Certificate Programs and the Master of Science in Management Program offer career development opportunities for experienced professionals.

The Shirley M. Ehrenkranz School of Social Work offers Bachelor of Science, Master of Social Work, and Doctor of Philosophy degrees. The bachelor's program prepares students for beginning social work practice immediately on graduation and for admission to graduate programs with advanced standing. The master's program prepares students for the core mission of social work and provides an advanced concentration in clinical social work. The doctoral program offers a concentration in clinical social work. It prepares graduates to assume leadership positions as researchers, advanced practitioners, and educators. The school also offers an Advanced Certificate in Clinical Social Work and a Post-Master's Certificate Program in the Treatment of Alcohol- and Drug-Abusing Clients.

The Tisch School of the Arts provides undergraduate and graduate training in the performing and visual arts, including acting, dance, design, drama, performance studies, film and television, cinema studies, photography, dramatic writing, musical theatre, and interactive telecommunications. Degrees conferred are the B.F.A., M.F.A., M.P.S., and, through the Graduate School of Arts and Science, the M.A. and Ph.D.

The Gallatin School of Individualized Study, organized to promote innovative degree programs, combines flexible curricula and rigorous standards. It offers an undergraduate program, leading to the Bachelor of Arts degree, and the Master of Arts degree program.

The Mount Sinai School of Medicine offers the M.D. and Ph.D. degrees in addition to a combined M.D./Ph.D. program in a rigorous intellectual environment focused on collaboration between faculty and students. The school is committed to training students to be not only outstanding clinicians and scientists but compassionate individuals who also serve science and society. The school, founded in 1963, became affiliated with New York University on July 1, 1999.

A Private University

Since its founding, New York University has been a private university. It operates under a board of trustees and derives its income from tuition, endowment, grants from private foundations and government, and gifts from friends, alumni, corporations, and other private philanthropic sources.

The University is committed to a policy of equal treatment and opportunity in every aspect of its relations with its faculty, students, and staff members, without regard to age, citizenship status, color, disability, mar-

ital or parental status, national origin, race, religion, sex, or sexual orientation.

Inquiries about the application of the federal laws and regulations on affirmative action and antidiscrimination policies and procedures at New York University may be referred to Sharon Weinberg, Vice Provost, New York University, Elmer Holmes Bobst Library, 70 Washington Square South, Room 1202, New York, NY 10012-1091. Inquiries may also be referred to the director of the Office of Federal Contract

Compliance, U.S. Department of Labor.

New York University is a member of the Association of American Universities and is accredited by the Middle States Association of Colleges and Schools [Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104; (215) 662-5606]. Individual undergraduate, graduate, and professional programs and schools are accredited by the appropriate specialized accrediting agencies.

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Program Overview

All of the Stern School's academic programs demand that students make a significant commitment to scholarship and enterprise. Its sixteen distinct programs and some 180 courses provide the most comprehensive opportunity to study management in the United States.

Whether pursuing a career in finance, international business, accounting, information systems, statistics, marketing, management, or economics, students will find that the programs listed below provide a rigorous and intense education.



Degrees and Programs

- Master of Business Administration
Full-Time Block Program
Langone Program: A Part-Time
M.B.A. for Working Professionals
- Executive M.B.A.
- Executive M.B.A. in Finance
- Doctor of Philosophy
- Master of Science
(in Mathematics/Statistics and
Operations Research)
- Master of Science (in Statistics
and Operations Research)
- Master of Science (in Information
Systems)
- Joint Bachelor's-Master's Programs:
B.S.-M.S. (in Statistics and Operations
Research) with the Undergraduate
College of the Stern School
B.A.-M.S. (in Statistics And Operations
Research) with the College of Arts
and Science
- Joint-Degree Programs:
Juris Doctor-Master of Business
Administration
Master of Arts (French studies)-Master of
Business Administration

Explanation of Course Numbering System

The Stern School has a uniform course numbering system.

The first digit, B, indicates the Stern School, Graduate Division.

The next two digits indicate the major department in which the course is offered (see page 10). This is followed by a period.

The fourth digit will either be a 2 (indicating a beginning or intermediate course) or a 3 (indicating an advanced or specialized course, seminar, thesis, or dissertation).

B 40. 2 3 34

The fifth digit indicates the number of points or credits. One-and-a-half credit courses are indicated by a 1, as there are no 1-credit courses.

The sixth and seventh digits differentiate courses within a major department and are assigned by the department.

Master of Arts (Politics)-Master of
Business Administration
Master of Science (Statistics and
Operations Research)-Master of
Business Administration

Master of Public Administration-
Master of Business Administration
Master of Science (Biology)-
Master of Business Administration

Department Designations

B01-Core Courses

B02-Capstone Core

B10-Accounting

B20-Information Systems

B30-Economics

B40-Finance

B45-Management Communication

B50-International Business

B55-Interarea

B60-Operations Management

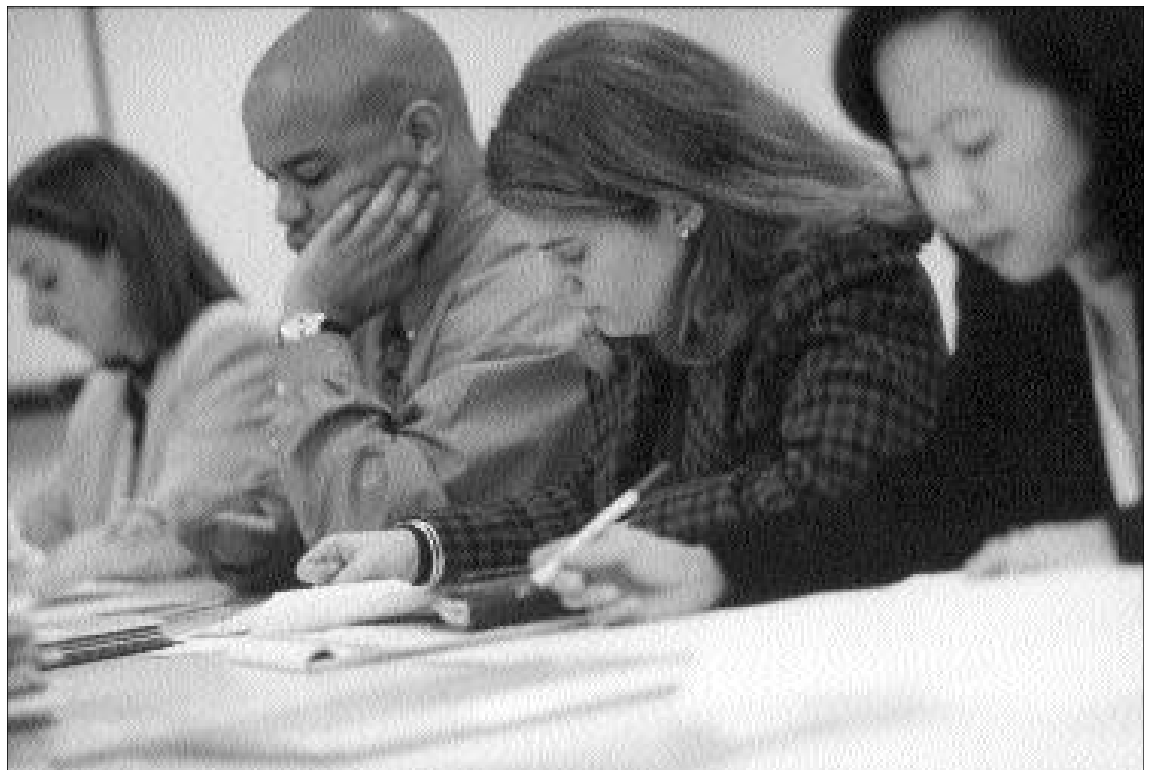
B65-Management and Organizational
Behavior

B70-Marketing

B85-International Management Program

B90-Statistics and Operations Research

B95-Taxation and Business Law



Master of Business Administration Program

The M.B.A. Program at New York University's Stern School of Business is a vigorous example of the best in graduate business education, where the pursuit of success for our students—educational, professional, and personal—is the driving force behind everything we do. Stern students develop the skills they will need to succeed in any business environment, anywhere in the world.

Balancing theoretical and conceptual frameworks with practical applications, the M.B.A. curriculum first develops a solid base of management skills through required core courses, then builds on that knowledge through advanced elective courses in various functional fields. Within this structure, students choose from a wide range of courses and plan their programs according to their own needs and interests.

The core curriculum introduces students to the functional activities of organizations and the analytical and conceptual frameworks for managerial decision making. Collectively, the core courses provide fundamental knowledge that every effective manager must have and the foundation for advanced specialization in different functional areas.

Stern's M.B.A. Program provides breadth as well as depth. After completing the core curriculum, students can obtain in-depth knowledge of their area of specialization by completing a minimum of 12 credits of course work in their major area. Students can choose from a wide array of elective courses offered at Stern and from approved courses offered at other NYU graduate programs. A list of Stern elective courses can be found in the course descriptions for each academic department. (Consult the index for page numbers.) Student can take electives beyond those required to complete their major area requirements. Students design this component of the curriculum to meet their specific needs in one of three ways. They may double-major, do a comajor, or design their own flexible program of selecting elective courses to meet their academic and professional needs. However, in order to take full advantage of this flexibility, students are required to plan ahead and make choices relatively early in the program. Waivers through proficiency examinations should be done early in the program. Students should consult the M.B.A. Academic Advising Web site at www.stern.nyu.edu/mba.advising for more information.



Full-Time Block Program

Two years of living, studying, and playing at an intense pace mean that by graduation, new M.B.A.'s are eager to take on the most demanding positions. Stern provides them with the theoretical and practical background—and the internships, contacts, and job-search tools—to make the transition from one level of a business career to another. This may be on Wall Street, in midtown, in Silicon Alley, or at one of the thousands of other company locations throughout the world.

The following course sequence outlines the two-year study program leading to the M.B.A.

Course Sequencing: Full-Time Block Program

Proficiency examinations may be taken for select core courses, and, if passed, students earn additional elective credits.

Full-time students complete the program in four terms and follow the schedule below:

Semester 1

Business Writing Proficiency	0.0
Economics, Data Analysis, and/or Accounting Workshops	0.0
Stern Pre-Term	0.0
B01.1101 Strategy I: Business Strategy Analysis	1.5
B01.1302 Managing Organizations	3.0
B01.1303 Understanding Firms and Markets	3.0
B01.1305 Statistics and Data Analysis	3.0
B01.1306 Financial Accounting and Reporting	3.0
B01.23XX or B01.21XX	3.0

Choose one or two of the following breadth requirements:

B01.2114 Competitive Advantage from Operations	
B01.2119 Fundamentals of Information Technology and Electronic Commerce	
B01.2310 Marketing: Delivering Value to Customers and Businesses	
B01.2311 Foundations of Finance	

<i>Total Credits</i>	<i>16.5</i>
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Semester 2

B01.2101 Strategy II: Corporate Strategy Analysis	1.5
B01.2102 Integrative Strategy Exercise	1.5
B01.2303 Global Business Environment	3.0
B01.23XX or B01.21XX Choose remaining breadth requirement	6.0
Major/Elective Class	3.0

<i>Total Credits</i>	<i>15.0</i>
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A mid-program summer internship experience is an integral part of the M.B.A. The internship complements the M.B.A. and enhances the educational experience.

Semester 3

Major/Elective Classes	12.0
	<i>or</i>
	13.5
B02.31XX Professional Responsibility (3rd or 4th semester)	1.5
<i>Total Credits</i>	<i>13.5</i>
	<i>or</i>
	<i>15.0</i>

Semester 4

Major/Elective Classes	13.5
	<i>or</i>
	15.0
B02.31XX Professional Responsibility (3rd or 4th semester)	1.5
<i>Total Credits</i>	<i>13.5</i>
	<i>or</i>
	<i>15.0</i>

Total Program Credits Required: 60

The Langone Program: A Part-Time M.B.A. for Working Professionals

The Stern School of Business was founded in 1900 with a curriculum designed specifically for part-time evening students who worked during the day. Some 100 years later, part-time students with their substantial work history and perspective continue to help define the Stern M.B.A. experience, and we continuously update and refine our offerings to best serve those students.

Stern's Westchester location, staffed by Stern School faculty, is based near the New York-Connecticut border. Major options are limited but may include finance and marketing. Specific majors may require taking courses at the Washington Square location. All the resources, classes, and programs at Washington Square are available to you if you enroll at Westchester. Admission for part-time study in Westchester is granted for fall term only.

The following course sequence outlines a three-year degree program completion.

Langone part-time students first enrolled prior to fall 2000, please note:

The M.B.A. Program core course requirements described here are effective as of fall 2000. Students who first enrolled prior to fall 2000 must fulfill the program requirements adjusted to accommodate these changes. The transition requirements can be found on the M.B.A. Academic Advising Web site at www.stern.edu/mba.advising. For more information, contact the advising office at advising@stern.nyu.edu.

Course Sequencing: Langone Program

Proficiency examinations may be taken for select core courses, and, if passed, students earn additional elective credits.

Part-time students have the option to complete the program in three to six years. The following is the course sequencing for completing the program in three years:

Semester 1

Business Writing Proficiency	0.0
Calculus, Economics, and/or Accounting Workshops	0.0
Stern Pre-Term	0.0
B01.1303 Understanding Firms and Markets <i>or</i> B01.1203 Managing Organizations	3.0
B01.1305 Statistics and Data Analysis <i>or</i> B01.1306 Financial Accounting and Reporting	3.0
<i>Total Credits</i>	<i>6.0</i>

January Minisemester

B01.1101 Strategy I: Business Strategy Analysis	1.5
<i>Total Credits</i>	<i>1.5</i>

Semester 2

B01.1303 Understanding Firms and Markets <i>or</i> B01.1203 Managing Organizations	3.0
B01.1305 Statistics and Data Analysis <i>or</i> B01.1306 Financial Accounting and Reporting	3.0
<i>Total Credits</i>	<i>6.0</i>

Semester 3

Major/Elective Class	3.0
B01.23XX or B01.21XX	3.0
Choose one or two of the following breadth requirements:	
B01.2310 Marketing: Delivering Value to Customers and Businesses	
B01.2311 Foundations of Finance	
B01.2114 Competitive Advantage from Operations	
B01.2119 Fundamentals of Information Technology and Electronic Commerce	
<i>Total Credits</i>	<i>6.0</i>

Semester 4

B01.2303 Global Business Environment	3.0
B01.23XX or B01.21XX Choose remaining breadth requirement	3.0
<i>Total Credits</i>	<i>6.0</i>

January Minisemester

B01.2101 Strategy II: Corporate Strategy Analysis	1.5
<i>Total Credits</i>	<i>1.5</i>

Semester 5

Major/Elective Class	3.0
B01.23XX or B01.21XX Choose remaining breadth requirement	3.0
B01.2102 Integrative Strategy Exercise	1.5
<i>Total Credits</i>	<i>7.5</i>

Semester 6

Major/Elective Class	3.0
Major/Elective Class	3.0
<i>Total Credits</i>	<i>6.0</i>

(continued on next page)

(continued from previous page)

Course Sequencing: Langone Program

Semester 7

Major/Elective Class	3.0
Major/Elective Class	3.0
B02.31XX Professional Responsibility	1.5
<i>Total Credits</i>	<i>7.5</i>

Semester 8

Major/Elective Class	3.0
Major/Elective Class	3.0
<i>Total Credits</i>	<i>6.0</i>

Semester 9

Major/Elective Class	3.0
Major/Elective Class	3.0
<i>Total Credits</i>	<i>6.0</i>

Total Program Credits Required: 60

Academic Backgrounds and Proficiencies

Although Stern's M.B.A. Program is designed to accommodate all undergraduate majors, proficiency in several areas must be attained prior to or during the first semester of enrollment for successful participation. These include the following:

- Business writing
- Intermediate algebra
- Calculus
- Basic economics
- Accounting
- The ability to use several major types of microcomputer-based software

Proficiency in Business Writing

Because writing skills are vital to success in business, all students must demonstrate proficiency in business writing. Obtaining a score of 4.0 or higher in the analytical writing component of the GMAT that was used for admission is one way to demonstrate proficiency in writing. Students who are unable

to demonstrate this level must satisfactorily complete an eight-week, noncredit course in Business Writing (B00.2099 or B00.2055). These courses are offered every semester, including the summer term. A passing grade in the Business Writing course fulfills the requirement for proficiency in writing.

Full-time block students must fulfill the business writing proficiency requirement at the beginning of the first semester, and part-time students must do so within the first full year of study.

Proficiency in Mathematics and Calculus

Proficiency in elementary calculus is required in many M.B.A. courses, particularly in economics, finance, and statistics and operations research. All students are required to have a basic knowledge of differential calculus. It is also strongly recommended that students acquire this knowledge before starting the program.

Students can demonstrate calculus proficiency in one of three ways: (1) take a one-semester course in calculus at any undergraduate college; (2) pursue a self-study program and pass the self-test available from M.B.A. Academic Advising; or (3) take the noncredit Calculus Workshop, B00.2002, described below. This course will

be given prior to your entrance into the M.B.A. Program.

Data Analysis Workshop

B00.1002

A noncredit course given to full-time block students only, prior to enrollment.

This workshop is designed to give fundamental notions of data presentation and analysis. Emphasis is placed on the regression model as a tool for management and for financial analysis.

Calculus Workshop

B00.2002

A noncredit course given to part-time

students only, prior to enrollment.

Review of mathematical methods and a basic introduction to differential calculus with applications to business and economics. Topics in the mathematics review include fractions, simple equations, simultaneous equations in two variables, functions, graphs of functions, equation of a straight line, solution of quadratic equations, laws of exponents, logarithms, and mathematics of finance. Topics in the introduction to differential calculus include the definition of the derivative, maxima and minima of functions of one variable, and the exponential model. Applications to profit maximization and cost minimization are considered.

Proficiency in Economics

All new students must have some background in economics. A familiarity with basic concepts is required for the core economics courses, which are taught at the intermediate level. Thus, students must have taken a one-semester course in economics at any undergraduate college prior to enrolling in the economics courses at Stern. Students with prior economics background can refresh their economics background in one of two ways: (1) use the *Fundamentals of*

Economics Workbook available from M.B.A. Academic Advising for self-study or (2) take the noncredit Workshop in Fundamentals of Economics, B00.1003, described below.

Workshop in Fundamentals of Economics

B00.1003

A noncredit course given prior to enrollment.

The workshop reviews fundamental concepts

in macro- and microeconomics and familiarizes students with the basic tools of economic analysis. Concepts are developed through class discussion and the use of problem sets.

Proficiency in Accounting

Students should have a basic understanding of the elements of accounting. Students without a prior background in accounting must take the noncredit workshop in accounting. Students with prior background who wish to refresh their skills can do so by (1) using the CD-ROM for self-study—

Financial Accounting Tutor 2.3 or (2) by taking the Workshop in Accounting.

Workshop in Accounting

B00.1001

The workshop introduces students to the fundamentals of financial accounting and

familiarizes them with the basic business terms in the United States. The workshop is intended for students with no background in accounting. The workshop is based on the financial accounting tutorial software.

Proficiency in the Use of Personal Computers

All Stern students are expected to be proficient in the use of the personal computer, especially word processing, spreadsheet, and presentation software. It is strongly recommended that entering students buy a PC or have off-site access to one with the following software: *MS-DOS*, *Microsoft Word*, *Excel*,

Access, and *PowerPoint*. The availability of a high-speed modem will facilitate access to the Internet and Stern's electronic mail system. (For specific recommendations on purchasing a computer, see Computing at Stern, pages 122-23). Free workshops on computing are given frequently. More details on the

content and scheduling of these workshops are available from the Computing and Information Technology Office, 40 West Fourth Street, Room 513, www.stern.edu/cit.

Required Core Courses (30 credits)

All M.B.A. students must complete all of the core courses listed or must obtain a waiver. With the exception of the accounting core course, those courses that are waivable require students to pass a proficiency exam in order to be eligible for a waiver.

The Stern Pre-Term (SPT)

B00.2000

No credit. Required for all block program students.

A series of exercises, seminars, and other experiences that provide a focused first exposure to the Stern M.B.A. Program. SPT initiates the development of a multidisciplinary, team-oriented perspective and analytical thought processes for decision making, devotes considerable time to the foundations of business communication, provides the preliminary components of a number of the fall classes, and introduces the integrative requirements of the program. Students are grouped into blocks within which they will take courses throughout the program; study

groups are assigned. All students participate in team-building exercises, case analyses, and discussions of business ethics.

The SPT typically begins in the last few weeks of August. Students may not continue in the block program without a passing grade in the SPT.

Strategy I: Business Strategy Analysis

B01.1101

1.5 credits.

This course provides students with the concepts and tools required to devise strategies that enable the business to create superior value for chosen customers and to capture a sufficient share of that value in order to create an economic profit on its investment. The focus is on gaining competitive advantage at the product/market level.

The course builds a model of competitive advantage, applies it to the competitive marketplace, and identifies the key sources by which firms can gain competitive advantage. It provides the basic set of tools that

enable students to analyze and define the competitive situation at the product/market level, to delineate the strategic options open to the firm to create or retain competitive advantage, and to evaluate those options in both their competitive and economic aspects.

Managing Organizations

B01.1302

3 credits.

The course is divided into two major components: organization theory and organization behavior. The first component is macro in nature and focuses on organizational level problems such as how an organization should be designed (e.g., centralized or decentralized), what strategy it should follow (e.g., integrated or diversified), and how the conflict and politics endemic to organizational life can be managed. The second is primarily micro in nature and focuses on individual and group-level problems such as how to evaluate and reward employees, design jobs that motivate people, and supervise employees. Micro is concerned with in-

dividual and group effectiveness. Macro is concerned with overall organizational performance.

This course introduces you to some of the central topics in management theory, research, and practice—both micro and macro—as well as how they can be applied. It provides you with a better basis for understanding and evaluating organizations and their managements. Such knowledge is equally relevant for those who aspire to positions outside as well as inside management. For example, in finance, investment bankers, financial analysts, lenders, and others require a sophisticated knowledge of organizations and their managements in order to make wise decisions within their respective responsibilities. Furthermore, financial service organizations, as anyone who reads the current business press must realize, face severe management problems of their own.

Understanding Firms and Markets

B01.1303

3 credits.

This course employs the marginal analysis and the consumers-firms-markets perspectives of microeconomics to enhance M.B.A. students' understanding of the business environments in which they will be working and the important strategic issues—especially pricing and product choice—that can/may/will arise in those environments. A business history underlay will help set the stage and provide a strategy-structure-technology historical perspective. The course also explores important costing issues and concepts. Strategy is a recurring theme.

The course structure assumes that all students have had some economics background. They must be comfortable with quantitative concepts and approaches and with graphical/geometric ways of presenting quantitative information.

Also, a historical perspective is provided in a number of areas.

Statistics and Data Analysis

B01.1305

3 credits.

This course is designed to achieve an understanding of fundamental notions of data presentation and analysis and to use statistical thinking in the context of business problems. The course deals with modern methods of data exploration (designed to reveal

unusual or problematic aspects of data bases), the uses and abuses of the basic techniques of inference, and the use of regression as a tool for management and for financial analysis.

Financial Accounting and Reporting

B01.1306

3 credits.

Accounting reports are an important means of communication with investors and a basis of contracts within and outside a firm. This course focuses more on the analysis and use of these statements than on the mere construction of those statements. It provides an understanding of what these reports contain, what assumptions and concepts accountants use to prepare them, and why they use those assumptions and concepts. It introduces a disciplined way of thinking about a business and reporting its financial status and performance. It also gives students basic institutional information about how accounting standards are set and about some recent controversial accounting issues. The course is not aimed at providing “if..., then..., else...” rules about accounting. Rather it aims at providing an appreciation of the judgment required in accounting at any one time and across time while introducing many advanced topics.

Many of the topics and issues presented in the course are unique to an introductory course. These topics are selected by the individual faculty members and may include mergers and acquisitions, purchase and pooling, foreign exchange, and valuation.

The course uses simple examples to provide students with a clear understanding of accounting concepts. It stresses the ability to apply these concepts to real-world cases, which by their very nature are complex and ambiguous. In addition to text-oriented materials, the classes also include sessions that offer a more interactive learning environment where students can discuss applications of basic concepts to the analysis of cases, actual financial reports, and articles from newspapers.

Strategy II: Corporate Strategy Analysis

B01.2101

1.5 credits.

This course develops skills needed to manage the business enterprise for the creation of corporate advantage. To create value

through corporate strategy, general managers must command a number of critical skills. They must be capable of creating a vision that integrates multifunctional goals and perspectives; they must be skillful at developing and deploying corporate resources and capabilities; they must be competent at applying analytical tools to industry and strategy analysis; they must know how to design administrative structures, systems, and processes that facilitate the implementation of corporate strategies; they must be adept at managing the interpersonal dynamics of strategic decision making; and they must be able to communicate effectively their visions and strategies to internal and external stakeholders.

Integrative Strategy Exercise

B01.2102

1.5 credits.

Take what you've learned and put it into practice. As part of the Integrated Strategy Exercise, students study the case history of a company, analyzing its strengths, the challenges it faces in the future, and the changing environment in which it operates. Through a combination of strategy sessions, communications workshops and written assignments, students refine their strategic, analytic, decision-making and communication skills.

Competitive Advantage from Operations

B01.2114

1.5 credits.

This minicourse serves as an introduction to operations management. We approach the discipline from the perspective of the general manager, rather than the functional specialist. Coverage is intense and very selective, concentrating on a small list of powerful themes that have emerged as the central building blocks of world-class organizations. The course also provides tools and concepts from operations management that have proven extremely useful over the years. Topics discussed are equally relevant in the manufacturing and service sectors.

Fundamentals of Information Technology and Electronic Commerce

B01.2119

1.5 credits.

Information technology (IT) is fundamental to corporate strategy, organization structure,

relationships with customers and suppliers, products, and services. This Information Systems core course prepares students to understand and manage key technologies and the way they enable business initiatives that were inconceivable a few years ago; demonstrates specific applications of these technologies through examples in E-commerce; identifies emerging business models spawned by these technologies; identifies the challenges these new businesses create for traditional firms; and equips students to provide leadership in leveraging IT for competitive advantage.

Global Business Environment

B01.2303

3 credits.

Globalization is a major force driving change in business activities. This course examines key opportunities and challenges facing a firm in today's business environment. From the perspective of the manager, the course introduces tools and frameworks to analyze major features of the global business environment and a conceptual framework for understanding the risks and opportunities in the global environment. The course is presented in two linked modules:

(1) international business and trade and (2) international macroeconomics. The first module examines the economic, political, legal, and cultural dimensions of global business, including the economic bases for international trade and direct investment, the determinants and effects of government policies toward trade and investment, and cross-cultural and ethical issues. The second module examines the balance of payments, determination of exchange rates, exchange rate regimes and currency unions, the role of central banks and international financial institutions, international policy linkages, debt crises, and the international financial architecture. The international business and trade module is presented prior to the international macro module.

Marketing: Delivering Value to Businesses and Customers

B01.2310

3 credits.

Prerequisites: B01.1303 and B01.1305.

How will businesses market themselves to thrive in the next century? Successful managers must understand the essentials of market strategy and decision making. The course also focuses on the importance of applying

both quantitative and qualitative methods to analyze information so that the firm can make effective decisions in the face of uncertainty.

Foundations of Finance

B01.2311

3 credits.

This course is a rigorous survey of major topics in financial markets and corporate finance. Students develop the basic principles of financial valuation and analysis, and apply these concepts to professional problems of financial management in domestic and international settings.

Professional Responsibility Menu

B02.31XX

1.5 credits.

What ethical obligations does a manager have in today's complicated and dynamic business environment? This capstone course examines professional responsibility in the corporate arena. Students choose from a menu of classes that focus on topics such as securities regulation, principles of business law, privacy, conflicts of interest, human resources, and responsible leadership.

Major and Elective Courses (30 credits)

After completing the core courses (except Professional Responsibility), students move on to advanced elective courses and begin to specialize in one of the following majors:

- Accounting
- Economics
- Finance
- Information Systems
- Management and Organizational Behavior
- Marketing
- Operations Management (Pending New York State Education Department approval)
- Statistics and Operations Research

Major: A student must elect a major area of study and satisfy the specific requirements of that area. Each major consists of the equivalent of four courses (12 credits) in addition to the core courses. Several areas require students to take specific courses in the area. Fifth and sixth major courses, up to 6 additional credits, may be taken (see below).

Double Majors: Students may choose to seek additional specialization by taking 12

credits of the advanced electives in a single area. Specific requirements for each double major are the same as those for a single major in the area. These are described in the sections containing major requirements and course descriptions for each academic department. Consult the index for page numbers.

Comajor: Students can select a comajor in international business by taking specified major and nonmajor elective courses. Details are provided on pages 62-64 for international business.

Advanced Electives: A maximum of two of these courses (6 credits) may be in the major area. The remaining "nonmajor" electives fulfill program distribution requirements.

Students authorized to waive one or more core courses take additional nonmajor credits to replace those deducted from the core. No more than six courses (18 credits) may be taken in the major. No more than six courses (18 credits) may be taken in any second area. These 18 credits include the courses mentioned in the previous section

that fulfill major requirements. A course is counted in the department that offers it, identified by the first three digits of the course number. (For a more detailed explanation of Stern's course numbering system, see page 9.)

Within this structure, students are free to choose courses that most interest them. Detailed descriptions of courses and programs begin on page 37.

Interarea and Swing Courses:

Interarea courses (B55) are those courses offered that can count toward any one departmental major if students make appropriate arrangements through M.B.A. Academic Advising. Swing courses are those courses that are offered by one department but can be counted toward another department major if students make appropriate arrangements through M.B.A. Academic Advising. Students who enroll in interarea or swing courses can apply only one of those courses toward any particular major. For example, for a student majoring in finance, only one non-B40 course can be counted toward the finance major.

M.B.A. Academic Advising

Program advisers in M.B.A. Academic Advising advise all M.B.A. students (except those in the Executive Programs). Advisers help students understand program requirements and options and solve problems. They facilitate waivers for core courses and provide detailed summaries of remaining requirements. They also respond to questions about

the Stern School and University policies. Advisers are available year-round.

SCHOLASTIC REQUIREMENTS

See page 117.

TIME LIMIT FOR THE M.B.A. PROGRAM (6 YEARS)

M.B.A. Program requirements must be completed within six years of initial registration. Continuous matriculation must be maintained during this period. No exceptions are permitted.

Application Procedure for Readmission to the M.B.A. Program

Applicants must submit a new admission application to M.B.A. Admissions and compete with the current pool of applicants. The admission application must include all the materials required by the admission committee, including valid GMAT and TOEFL (if applicable) test scores.

Applicants readmitted to the M.B.A. Program must fulfill program requirements and all other policies of the Stern School in effect for the term for which they are readmitted. This may mean that additional course work is required when one is readmitted.

Only one readmission is allowed. Those unable to complete the remaining requirements in the additional time period forego the opportunity to receive an M.B.A. from New York University.

International Management Program

The Stern School has established a unique cooperative venture with more than 30 leading overseas graduate institutions, offering a term of study and experience in some of the world's major business centers.

The International Management Program (IMP) offers a select group of Stern M.B.A. students the opportunity to expand global business skills, broaden knowledge of regional business and cultural issues, and improve foreign language ability. Full-time and part-time M.B.A. students are invited to apply in the spring semester for study abroad the following year. Through IMP, students take a full course load for a semester at one of Stern's partner schools. One unique program, which works well within a part-time student's program, is a three-week international business elective in Germany.

Many of the programs are taught in English. Foreign language is not required for the program, however, preference is given to applicants for foreign language programs who have those language skills. All students going to foreign language countries are strongly advised to develop language skills prior to their semester abroad.

Participating schools are as follows:

Australian Graduate School of Management, Sydney
Bocconi University, Milan
Chinese University of Hong Kong
Copenhagen Business School
Erasmus University, Rotterdam
ESADE, Barcelona
Escola de Administração de Empresas de São Paulo, Fundação Getúlio Vargas, São Paulo
HEC/ISA, Paris
Hong Kong University of Science and Technology
INCAE, Costa Rica
Instituto de Estudios Superiores de Administración (IESA), Caracas

Instituto Tecnológico Autónomo de México (ITAM), Mexico City
International University of Japan, Niigata
London Business School
London School of Economics
Manchester Business School
Melbourne Business School
Nanyang Technological University, Singapore
Norwegian College of Economics and Business Administration, Bergen
Pontificia Universidad Católica de Chile, Santiago
St. Gallen School of Business Administration, Switzerland
Stockholm School of Economics
Tel-Aviv University
Université Catholique de Louvain, Belgium
University of Cape Town
University of Cologne, Germany
University of the Witwatersrand, Johannesburg
Vienna University of Economics and Business Administration (WU Wien)
WHU Koblenz, Germany (special short-term program)
Yonsei University, Seoul

Additionally, Stern students who participate in the IMP also have the opportunity to pursue a post-M.B.A. European Management Studies Certificate, presented by the Community of PIM-Pan American Schools (COPPAS). Participants in the COPPAS pro-



gram spend two semesters at select European schools, one during their M.B.A. and one following completion of their M.B.A.

The European schools participating in the COPPAS program are as follows:

Bocconi University, Milan
Copenhagen Business School
Erasmus University, Rotterdam
ESADE, Barcelona
HEC/ISA, Paris
London School of Economics
St. Gallen School of Business Administration, Switzerland
Stockholm School of Economics
Université Catholique de Louvain, Belgium
University of Cologne, Germany
Vienna University of Economics and Business Administration (WU Wien)

Complete details on these programs—including frequently asked questions, profiles for all partner schools, and academic policies—are on the IMP Web site at www.stern.nyu.edu/IMP. Further information is available by E-mailing intl@stern.nyu.edu or by calling the International Programs Office at (212) 998-0189.

The Executive M.B.A. Programs

Director: Norman D. Berman • **Associate Director:** Sheila P. Worthington • **Associate Director:** MaryJane Boland • **Program Office:** Henry Kaufman Management Center (KMC), 44 West Fourth Street, Suite 10-190

The Executive M.B.A. and Executive M.B.A. in Finance Programs are company-sponsored programs that provide experienced professionals with a unique opportunity to combine a full-time career with a rigorous academic program that culminates, after two years, in a fully accredited M.B.A. degree.

The Executive M.B.A. Program is for senior executives and managers with diverse backgrounds. Participants typically have ten or more years of experience and are expected to play a major role in their organizations' futures. The Executive M.B.A. in Finance Program is for high-potential professionals in the financial services industry who have high marks from fine undergraduate schools, who have been identified as being the best and the brightest in their firms, and who want to prepare for even greater future responsibilities. Their learning experience culminates in an M.B.A. degree emphasizing financial management and financial markets.



Both programs feature the following:

- *A distinguished faculty* —the faculty who teach in the executive programs are the most esteemed members of NYU's Stern School of Business faculty as well as influential members of the corporate and financial communities.
- *Small classes* —approximately fifty-five students are carefully selected to begin each program in the fall. This small-class format stimulates the high level of interaction between faculty and program participants and thus enhances the learning process.
- *Convenient class schedule* —to minimize time spent away from the workplace and maximize classroom learning, classes meet one day each week on alternate Fridays and Saturdays from 8:30 a.m. to 4:30 p.m. Three one-week residence sessions are held during each of the two years. One of the second-year residence sessions is held abroad. In 2000, management students will travel to China and finance students will travel to Japan. During the first year, finance students will travel to Bombay and Bangalore to study

Indian markets; and management students will make site visits to Los Angeles and Palo Alto to study the dynamics of entertainment, telecommunications, and technology.

- *An exceptionally diverse student body* — participants in the program come from many backgrounds and include a number of international executives. Current class members include attorneys, engineers, entrepreneurs, financial experts, physicians, and public sector employees.

- *Program services* —to facilitate the balancing of professional and personal responsibilities with the demands of intensive graduate study, the program provides all academic materials. The high level of interaction between faculty and class members often extends into social functions: meals, breaks, and late afternoon receptions.

- *Global business perspective* —the program includes a global business emphasis, which is fostered by the professional and personal experience of both faculty and class members. The international residence session during the second year of the program

features a global strategy analysis on-site at both corporations and manufacturing plants.

The structure of the two executive programs is similar, but requisites and curricula differ slightly. Attendance at regularly scheduled Open House events is recommended to learn more about the program. For Open House dates and further information, please call or write the Executive M.B.A. Programs, Stern School of Business, New York University, 44 West Fourth Street, Suite 10-190, New York, NY 10012-1126; telephone: (212) 998-0789; fax: (212) 995-4222; E-mail: execmba@stern.nyu.edu; Web site: www.stern.nyu.edu/execmba.

PREPROGRAM WORKSHOPS

All students must demonstrate proficiency in calculus, the use of computer systems, and accounting. Workshops are held in the summer before the start of the programs.

Calculus proficiency is required for effective performance in several M.B.A. courses, particularly finance, economics,

and quantitative analysis. The workshop reviews intermediate algebra and differential calculus.

Computer proficiency is essential for courses such as Managing Information

Technology and Systems and is a useful tool in other courses. The workshop introduces the personal computer, spreadsheet analysis, and word processing.

Accounting proficiency covers the basic concepts of accounting, especially the accounting cycle.

The Executive M.B.A. Program

Participating executives come from diverse firms and industries. They generally have approximately ten or more years of experience, and, typically, are in their mid-thirties. Candidates are considered on an individual basis. While undergraduate records and the Graduate Management Admission Test (GMAT) score are part of the admissions decision, other factors also receive high priority. These are as follows:

- Employment history and achievement.
- Management potential.
- Likely contribution to the class and to the program.
- Ability to do graduate work in business subjects.
- Motivation and commitment of the student.
- Sponsorship by the firm.

ADMISSION

Admission to the program is quite competitive, and candidates are reviewed by the Admissions Committee for the Executive M.B.A. Programs. The committee considers academic and employment information and gives special attention to significant professional development. Organization sponsorship and substantial work experience (of approximately ten or more years) are prerequisites of the program.

Deadlines—Since enrollment is limited and gaining sponsorship is sometimes a lengthy process, applications should be submitted as early as possible. Competition for the program is quite keen, and applications are reviewed on a rolling admissions basis. The early admission deadline date is November 15; regular admission is March 1. All other applications must be received by May 28. Applications received after May 28 will be considered on a space-available basis only. Classes begin on August 20, 2000.

Admission Requirements and Fees—Details can be found in the Executive M.B.A. Programs' brochures, obtainable through the offices at 44 West Fourth Street, Suite 10-190.

COMMON BODY OF KNOWLEDGE

Business Economics, including Microeconomics for Global Business Decision Making and Understanding the World Macroeconomy, investigates the major tools and concepts of economic analysis and their application to both the making of business decisions and the formulation of policies. Economic forecasting, business conditions analysis, cost-benefit analysis, managerial economics, international issues, and monetary and fiscal policy are covered.

Data Analysis and Modeling for Managers introduces quantitative methods applicable to the solution of business problems in accounting, economics, finance, management, and marketing. Concepts of optimization, statistical analysis, and simulation are treated.

Regression Analysis and Forecasting discusses the use of regression and correlation analysis and the use of regression analysis. Regression analysis has a wide variety of applications to business problems in accounting, economics, finance, management, marketing, and operations.

Self-Managed Work Teams assist students in developing an understanding of the following: the ability to use self-managed teams in the workplace; the stages groups go through as they evolve; their personal style and how it impacts their participation and performance in groups; and the skills found to be effective in groups. The course further strengthens the climate and productivity of the study groups and provides a basis for self-directed professional development.

Leadership: Developing Leaders for the 21st Century focuses on issues of business and corporate strategy in a globally competitive environment and central concerns of firm-level general management. Topics covered include multidisciplinary analysis, integrative methods to facilitate synthesis into action decisions and recommendations, and broad knowledge of conditions and trends in global markets and competition and ethical issues faced by executives.

Accounting for Management Analysis and Control emphasizes the internal data needs and reports of decision makers. The course focuses on the concepts and techniques of accounting measurements that will equip participants with skills and tools useful in their business careers.

Problems in Financial Management investigates business objectives; financial analysis, including cash budgeting and ratio analysis; capital budgeting; portfolio analysis, including utility analysis, basic portfolio concepts, the capital asset pricing model, and efficient markets; and long-term financing strategies of the corporation, including the theory of valuation for corporate securities, capital structure theory and policy, dividend theory and policy, and analysis of overall cost of capital to the corporation.

Leadership Competency Building looks at the fundamental questions of human behavior within organizations and covers topics such as leadership, motivation, performance appraisal, and organizational design.

Competitive Advantage from Operations provides a systematic approach to solving a wide range of operating management problems. Topics include planning, evaluation, and control of operations; forecasting and inventory management; scheduling; product design and management; resource allocation; queuing models; quality of work environment; and technological change.

ADVANCED STUDY

International Trade and Finance surveys international economics, commercial policy, the international monetary system including international flow of funds, and the balance of payments adjustments under fixed and flexible rates of exchange.

Global Perspectives on the History of Enterprise compares the rise and evolution of corporate enterprise in major industrial societies since the mid-nineteenth century, and discusses how and why different countries have achieved competitive advantages in domestic markets and global trade at different times in history.

Global Industry and Sustainable Development focuses on the noneconomic aspects of foreign and global business environments, emphasizing the cultural, political, and social characteristics of foreign regions and how these affect the multinational firm.

The General Manager: Strategy Implementation is structured so as to develop the student's capabilities of thinking and acting like a general manager. Major emphasis is placed on action and implementation, not just on analysis. Students gain skills in setting priorities, integrating action programs, communicating, consensus-building, and intervention.

Negotiation gives managers a better understanding of, and the tools to manage, the complexities of a varied and multicultural labor force.

Competitive Strategy in the Global Economy considers the central concerns of the general manager: competition and the formulation of strategy. The course focuses on long-run survival and growth strategies for competitive markets, including environmental conditions, resource strength and limitations, and organizational structure and values.

Doing Business with China: Opportunities, Problems, Background traces China's history from the 18th century to the present with a special interest in the political and economic developments since Mao's death in 1976. Course concludes with a paper weighing the pros and cons of investing in China.

Competitive Marketing Strategy offers a critical evaluation and discussion of current and evolving strategic decision processes used by marketing managers, including formal analytical and strategic planning methods.

ELECTIVE COURSES

While the number of electives is limited due to the cohort nature of the Executive Programs, students in recent classes were given choices from among the following:

BUSINESS

Entrepreneurship in Organizations: New Venture Management

Multinational Business Management

Business Law for Managers

Restructuring Firms

Power and Politics in Organizations

Conflict and Negotiations

Operations and Strategy in Services

Managing Strategic Change

Diversity as a Negotiation Exercise

FINANCE

Venture Capital

Financial Markets

Valuation

Financial Statement Analysis

Statistical Methods in Portfolio Analysis

International Financial Management

Mergers and Acquisitions

TECHNOLOGY

Cyberspace

Electronic Commerce

Management of Technology

Computer Networks: Technology and Trends

INTEGRATIVE COURSES

Strategic Thinking: An Integrative Exercise presents the class with a major case study and analysis involving the multidisciplinary challenges faced by managers in the global environment. The course involves the entire first-year Executive M.B.A. faculty in a two-day case. It may also include site visits. In 1999, the cases were involved with the interrelationships among information technology, telecommunications, and the media. The class visited Universal Studios, Digital Domain, the Encore Group, SONY, and Hughes Space & Communications in Los Angeles and @Home, @Work, Excite, Inc., Sun Microsystems, Cisco Systems, Xerox, and Hewlett Packard in Palo Alto.

Competitive Strategy in the Global Environment focuses on long-run survival and growth strategies for competitive markets, including environmental conditions, resource strength and limitations, and organizational structure and values.

Industry Analysis and Corporate Strategy Studies is a small-group activity in which teams of participants formulate corporate strategic policy, giving consideration to global issues. Participants develop and defend a strategic plan for a specific company in a given industry. The residence session held abroad fosters an international perspective.

The Legal and Social Context of Business begins with the concept of markets as a fundamental social institution in this country and others. It then explores the context of business decision making where signals from the market are not a sufficient guide.

Managerial Effectiveness Simulation creates a managerial setting that focuses on the skills and issues typically faced by managers in their day-to-day work. Participants assume positions within the simulated company and are provided feedback on their personal managerial style, effectiveness, and productivity.

Negotiation Skills Workshop explores and assesses individual strategies and tactics for successful negotiations. Group, individual, and video sessions are employed throughout.

Communication Skills Workshop is designed to help participants develop and enhance communication skills in a business environment. Videotaping and individual feedback sessions are major components of this workshop.

Understanding Management Through Literature probes the central ideas of management such as power, leadership, strategy, organizational structures, and group behavior. The readings explore the "nonmarket" aspects of work and life, provide character studies of decision makers, and show the consequences of insensitivity to the realities of the marketplace, the limits of laws, and the social consequences of managerial decisions.

Global Study Tour, a highlight of the second year of the program, is an overseas residency that enables the students to take a firsthand look at how business is conducted in other countries. In 2000, all of our students will travel to Hong Kong, Shanghai, Guangzhou, and Beijing to become familiar with business and culture in China.

The Executive M.B.A. in Finance Program

This program is tailored to meet the needs of highly talented professionals who have one to six years of work experience in the financial services industry. It offers outstanding individuals an opportunity to earn a fully accredited M.B.A. with a finance major in less than two years, without interrupting their careers. The program focuses on a strong technical knowledge of the operation of financial markets.

Candidates are reviewed on an individual basis with consideration given to ability, potential, and employment history.

ADMISSION

Admission to the program is quite competitive, and candidates are reviewed by the Admissions Committee for the Executive M.B.A. Programs. Admission requirements include the following:

- One to six years of experience in the financial services industry.
- Outstanding undergraduate credentials.
- Strong GMAT scores.
- Sponsorship from the firm.

Deadlines. Since enrollment is limited and gaining sponsorship is sometimes a lengthy process, applications should be submitted as early as possible. Competition for the program is quite keen, and applications are reviewed on a rolling admissions basis. The early admission deadline date is November 15; regular admission is March 1. All other applications must be received by May 28. Applications received after May 28 will be considered on a space-available basis only. Classes begin on August 20, 2000.

Admission Requirements and Fees. Details can be found in the Executive M.B.A. Programs' brochures, obtainable through the offices at 44 West Fourth Street, Suite 10-190.

COMMON BODY OF KNOWLEDGE

Business Economics, including Microeconomics for Global Decision Making and Understanding the World Macroeconomy, investigates the major tools and concepts of economic analysis and their application to both the making of business decisions and the formulation of policies. Covers economic forecasting, business conditions analysis, cost-benefit analysis, managerial economics, international issues, and monetary and fiscal policy.

Data Analysis, Modeling for Managers, and Regression Analysis introduces quantitative methods applicable to the solution of business problems in accounting, economics, finance, management, and marketing. Concepts of optimization, statistical analysis, and simulation are treated.

Strategic Leadership: An Introduction to General Management analyzes the strategic challenges produced by environmental trends and conditions; develops business level strategies; and implements these strategies through the cultivation and management of resources and capabilities, and the design of administrative systems.

Accounting for Management Analysis and Control emphasizes both the internal and external data needs and reports of decision makers. The course focuses on the concepts and techniques of accounting measurements that will equip participants with skills and tools useful in their business careers.

Investments and Financial Markets analyzes the markets for financial assets, including the money market and bond and stock markets. It also covers the essentials of the regulatory structure of financial markets, transactions costs, and interrelationships among markets.

Corporate Finance, Part A, combines introductory corporate finance offerings plus advanced material in financial management, particularly in the financing of the firm's operations; e.g., cash flows, liquidity management, investment analysis, capital structure theory and analysis, and dividend policy are combined with the overall concepts of business and financial risk, valuation of assets, and corporate objectives.

Corporate Finance, Part B, deals with the major financial management issues pertaining to a firm's operations. Students assess the risk and return attributes of individual corporate projects and of the firm itself. Topic areas include financial statement analysis, forecasting financial requirements, valuation of real and financial assets, financing the firm's operations, including capital structure policy, dividend policy, hedging of financial risks, and the design of financial instruments.

The Pricing of Options gives students an understanding of the principles of price determination for forward contracts. Topics include market structures; uses and price effects of hedging, speculation, and arbitrage;

valuation of other contingent claims; and trading strategies.

Self-Managed Work Teams assists students in developing an understanding of the following: the ability to use self-managed teams in the workplace; the stages groups go through as they evolve; their personal style and how it impacts their participation and performance in groups; and the skills found to be effective in groups. The course further strengthens the climate and productivity of the study groups and provides a basis for self-directed professional development.

Business History discusses the development of business in the modern United States, the first among the world's capitalist nations to develop large, complex institutions for production and finance on a large scale. The course examines the evolving relationships among technology, finance, firm strategy and structure, and government policy in order to arrive at a basic understanding of the key evolutionary dynamics of the American business system.

Valuation introduces students to how security analysts value stock. The valuation models discussed include relative valuation, absolute valuation, economic value added, and valuation using options. Value is considered from both an equity and a firm perspective.

Managing Organizational Behavior looks at the fundamental questions of human behavior within organizations and covers topics such as leadership, motivation, performance appraisal, and organizational design.

Competitive Advantage from Operations provides a systematic approach to solving a wide range of operating management problems. Topics include planning, evaluation, and control of operations; forecasting and inventory management; scheduling; project design and management; resource allocation; queuing models; quality of work environment; and technological change.

Communications Skills Workshop is designed to help participants develop and enhance communication skills in a business environment. Videotaping and individual feedback sessions are major components of this workshop.

Marketing Concepts and Strategies presents an overall view of marketing; areas of study include consumer behavior, advertising, social responsibility, marketing research, pricing, and the marketing of services as well as goods.

ADVANCED STUDY

International Trade and Finance surveys international economics, commercial policy, the international monetary system, including international flow of funds, and the balance of payments adjustments under fixed and flexible rates of exchange.

International Treasury Management emphasizes managing the treasury function in international corporations and banks. Includes a computerized trading simulation.

Risk Management analyzes the risks and returns in international treasury operations. Topics include price risk and return, various kinds of credit risks, liquidity risk. The strategies of liability diversification and asset securitization in international settings are considered. The multicultural aspects of ethical issues for firms and individuals are also discussed.

Financial Regulation and Innovation is a seminar series covering current topics and recent financial developments. Guest speakers and case studies are featured. The first-year class will visit India.

Global Banking and Capital Markets analyzes the competitive performance and strategic positioning of financial institutions in multinational capital markets. This course provides a framework for determining who will be the winners and losers in the financial services industry. Market segmentation theories are applied to markets for syndicated lending, trade finance, and project financing. The course considers international aspects of raising capital in multinational, multiregulatory settings. Examples may include mergers and acquisitions, joint venture capital projects, government or private partnership projects.

Global Study Tour (Tokyo, 2000) is offered in the winter of the second year. Students travel overseas on an international residency to study an emerging financial market. In recent years, students have traveled to Eastern Europe, South America, and China.

Markets, Ethics, and Law is designed to encourage students to think critically about the broader context and consequences of the decisions they will make as managers. To this end, the course first develops the argument that ethical considerations are important in the decision-making process. Second, the course develops analytical reasoning skills that enable the student to identify and weigh competing ethical concerns in the managerial decision-making process. And last, through specific examples and case discussion, the student is made aware of the importance of understanding the interdependence of markets, ethics, and law in a democratic, free market society.

Business Strategy and Policy focuses on the role of general managers in (1) determining target markets and designing strategies for them; (2) formulating and implementing corporate- and business-level strategies; and (3) developing, coordinating, and managing financial, physical, and human resources. Develops multifunctional concepts, tools, and approaches to business strategy and policy problems that lead to both short-run and long-run performance improvements for firms.

Management Accounting focuses on product and/or service-cost determination and on the uses of cost analysis in management decision making, control, and evaluation of performance.

ELECTIVE COURSES

While electives are limited, students in recent classes chose from among the following:

Advanced Financial Derivatives

Fixed Income Securities

International Financial Management

Venture Capital

Advanced Topics in Risk Management

Electronic Commerce

Entrepreneurial Finance

Financial Statement Analysis

Negotiation Strategy

Intrapreneurship

Internet Marketing: Technologies, Strategies, and Law

Mergers and Acquisitions

Advanced Portfolio Analysis

Marketing of Financial Services

Real Estate Finance

Equity Instruments and Markets

INTEGRATIVE COURSES

Competitive Business Strategy focuses on the role of general managers in (1) determining target markets and designing strategies for them; (2) formulating and implementing corporate- and business-level strategies; and (3) developing, coordinating, and managing financial, physical, and human resources. Develops multifunctional concepts, tools, and approaches to business strategy and policy problems that lead to both short-run and long-run performance improvements for firms.

Strategic Thinking: An Integrative Exercise presents the class with a major case study and analysis involving the multidisciplinary challenges faced by managers. The course involves the entire first-year Executive M.B.A. faculty in a two-day case. Student teams deliver written and oral presentations of their analyses. In 1999, the case was the Southwest Airlines.

Industry Analysis and Corporate Strategy Studies is a small-group activity in which teams of participants formulate corporate strategic policy. Participants develop and defend a strategic plan for a specific company in a given industry.

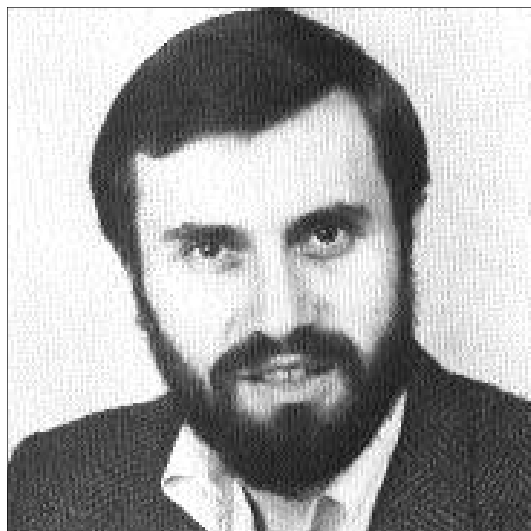
Innovation in Financial Markets is a seminar series covering current topics and recent financial developments. Guest speakers and case studies are featured.

Managerial Effectiveness Simulation creates a managerial setting that focuses on the skills and issues typically faced by managers in their day-to-day work. Participants assume positions within the simulated company and are provided feedback on their personal managerial style, effectiveness, and productivity.

Master of Science (in Information Systems)

Director: Alexander Tuzhilin • **Program Office:** KMC, 44 West Fourth Street, 9th Floor • **Telephone:** (212) 998-0810

The Master of Science (in Information Systems) is a collaborative program between the Stern School and the Department of Computer Science at the Courant Institute of Mathematical Sciences, Graduate School of Arts and Science (GSAS). It is designed to meet the urgent need of industry for people with expertise in both information technology and management. Graduates from this program are equipped to take leadership roles in the development and use of leading-edge computer applications in industry.



Summary of Requirements

A candidate must be admitted to the Master of Science (in Information Systems) Program either through the Stern School or the Department of Computer Science of the Graduate School of Arts and Science. Students taking their degree at GSAS will meet the GSAS requirements for the master's degree, while those at the Stern School will meet its requirements. A student's program will be approved by an advisement committee comprising representatives from the Department of Computer Science and the Stern School.

The Master of Science (in Information Systems) consists of 39 points (twelve courses plus a required master's project). Full-time students are expected to complete the requirements over a twelve-month period; part-time students should complete the pro-

gram within four years. Students must have a B average or better in order to graduate with the M.S. (in I.S.) degree.

The program consists of nine required core courses, three electives, and the project course. Specified courses might be waived from a student's program in consultation with the adviser. If a core course is waived, the student must select a substitute course from the list of permissible elective courses. This list may be supplemented from time to time by special topics courses and newly developed courses.

To complete the program, students must take at least five courses in Computer Science and five courses in the Stern School. The remaining courses include two that may be taken in either school, and the required project course. In addition, students may apply

for both M.B.A. and M.S. degree programs. Admission to one program, however, does not guarantee admission into the other program.

Note: Students must apply to and begin the M.B.A. *first*. After commencing the M.B.A. Program, students may apply to the M.S. Program. If accepted, students must complete the entire M.B.A. Program (60 credits) *before* commencing the MS. (in I.S.) Program and the admissions procedures, refer to the Master of Science in Information Systems publication available from the Department of Information Systems or visit the Web site at <http://is-2.stern.nyu.edu/~ms-is>.

Interested students can contact the department directly at (212) 998-0810.

Core Courses

The Stern School: General Business (two courses required)

Financial Accounting and Reporting
B01.1306

Understanding Firms and Markets
B01.1303

Managing Organizations
B01.1302

Students with prior background in these areas may, with the approval of the adviser, substitute more advanced general business courses, such as the following:

Marketing: Delivering Value to Customers and Businesses
B01.2310

Foundations of Finance
B01.2311

The Stern School: Department of Information Systems (three courses required)

Information Technology: Strategy and Management
B20.2318

*Design and Development of
Integrated Information Systems*
B20.2319

*Data Mining and Knowledge
Systems*
B20.3336

or

Electronic Commerce
B20.3338

Courant Institute of Mathematical Sciences:
Department of Computer Science (four
courses required)

Fundamental Algorithms
G22.1170

or

Programming Languages
G22.2110

Design of Operating Systems
G22.2250

*Data Communications and
Networks*
G22.2262

User Interfaces
G22.2280

Software Engineering
G22.2440

Elective Courses

Advanced Software
B20.3322

Financial Information Systems
B20.3350

Risk Management Systems
B20.3351

*Business Process Design and
Implementation*
B20.3356

*Information Technology
and Industry Performance:
The Media Industry*
B20.3357

Unix Tools
G22.2245

*Advanced Data
Communications and Networks*
G22.2263

Computer Graphics
G22.2270

Database Systems
G22.2434

Artificial Intelligence
G22.2560

Distributed Computing
G22.2631

GroupWare
G22.3033

Introduction to Multimedia
G22.3033

*Internet and Intranet Protocols
and Applications*
G22.3033

Programming for the WWW
G22.3033.02

Master's Project

The master's project involves the analysis, design, and implementation of a software system in a business environment. The project will typically be carried out as the stu-

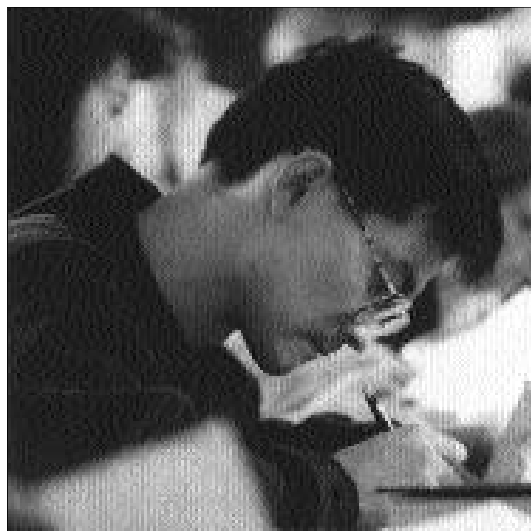
dent takes the Design and Development of Integrated Information Systems and Software Engineering courses and is supervised in the context of a required internship

course, Internship in Computer Science/Information Systems Research, G22.3812.

Master of Science (in Mathematics/Statistics and Operations Research) Program

Director: Edward L. Melnick • **Program Office:** KMC, 44 West Fourth Street, 8th Floor • **Telephone:** (212) 998-0440 • **Web site:** www.stern.nyu.edu/sor

The Master of Science (in Mathematics/Statistics and Operations Research) trains students in applied mathematics with a concentration in statistics or operations research. A student's program of study consists of graduate courses from both the Department of Mathematics at the Courant Institute of Mathematical Sciences, Graduate School of Arts and Science (GSAS), and the Stern School's Department of Statistics and Operations Research. Graduates from this program seek employment in such diverse areas as financial analysis, financial engineering, market research, biostatistics, production management, econometrics, and forecasting.



Summary of Requirements

Students should have a sound foundation in mathematics, including at least three semesters of calculus and one semester of linear or matrix algebra.

A candidate must be admitted to either the Stern School or GSAS as a candidate for a master's degree. A student's program will be approved by an advisement committee comprising one representative from Courant and one from the Stern School.

Twelve courses of 3 credits each are required for the degree. Of these, eight are required core courses and four are electives. More advanced students can waive core course requirements.

Students taking their degree at GSAS will meet the GSAS requirements for the master's degree, while those at the Stern School will meet its requirements.

Admission to the M.S. Program does not

guarantee admission to the Stern M.B.A. Program. Students interested in transferring to the M.B.A. Program must submit a new application and meet all admission criteria and application deadlines.

For more information about the M.S. (in Mathematics/Statistics and Operations Research) Program and the admissions procedures, please contact the program office at (212) 998-0440.

Core Courses

Eight courses are required as follows:

Linear Algebra I

G63.2110
(Courant)

Introduction to Mathematical Analysis I

G63.1410
(Courant)

Scientific Computing

G63.2043
(Courant)

Either

Introduction to Mathematical Analysis II

G63.1420
(Courant)

or

Numerical Methods I

G63.2010
(Courant)

Introduction to the Theory of Probability

B90.3301
(Stern)

Statistical Inference and Regression Analysis

B90.3302
(Stern)

Linear Optimization and Extensions

B90.3325
(Stern)

Introduction to Stochastic Processes I

B90.3321
(Stern)

Note: Students with a limited background in mathematical analysis should take *Multivariable Calculus*, G63.1002 (Courant) before taking G63.1410.

Electives

The remaining elective courses can be taken at either the Stern School or Courant. Courses other than those listed here may be taken as electives with the approval of the advisement committee.

Some courses at Courant and the Stern School cover similar topics. Students cannot receive credit for taking these courses at both schools. Exceptions to this rule may be made by the advisement committee. The elective courses are as follows:

COURANT INSTITUTE OF MATHEMATICAL SCIENCES

Multivariable Calculus
G63.1002

Linear Algebra II
G63.2120

Introduction to Mathematical Analysis II
G63.1420

Complex Variables I
G63.2450

Complex Variables II
G63.2460

Ordinary Differential Equations
G63.2470

Numerical Methods I
G63.2010

Numerical Methods II
G63.2020

Advanced Numerical Analysis: Nonlinear Optimization
G63.2031

Mathematical Modeling
G63.2781

Mathematical Statistics
G63.2962

Applied Mathematics I
G63.2701

Applied Mathematics II
G63.2702

Topics in Applied Probability
G63.2936

Introduction to Computers and Computation
G22.1110

Fundamental Algorithms
G22.1170

Programming Languages
G22.2110

Advanced Programming Languages
G22.2111

Database Systems I
G22.2433

Database Systems II
G22.2434

Design of Operating Systems
G22.2250

Advanced Design of Operating Systems
G22.2251

Probability: Limit Theorems (First Term)
G63.2911

Probability: Limit Theorems (Second Term)
G63.2912

Advanced Topics in Probability (First Term)
G63.2931

Advanced Topics in Probability (Second Term)
G63.2932

Computing in Finance
G63.2045

Mathematical Finance I
G63.2791

Note: Equivalent to B90.2308. Both can - not be taken for credit.

Mathematical Finance II
G63.2792

Note: Equivalent to B90.3323. Both can - not be taken for credit.

THE STERN SCHOOL DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

Regression and Multivariate Data Analysis
B90.2301

Forecasting of Time Series Data
B90.2302

Statistical Quality Control
B90.2303

Applied Stochastic Processes for Financial Models
B90.2308

Note: Equivalent to G63.2791. Both can - not be taken for credit.

Mathematics of Investment
B90.2309

Introduction to Operations Research
B90.2310

Multivariate Statistical Analysis
B90.3303

Advanced Theory of Statistics
B90.3304

Bayesian Inference and Statistical Decision Theory
B90.3305

Time Series Analysis
B90.3306

Introduction to Stochastic Processes
B90.3321

Statistical Computing and Sampling Methods with Applications to Finance
B90.2314

*Data Mining in Finance:
Computer and Data Intensive
Methods in Statistical Financial
Engineering*
B90.3355

Categorical Data
B90.3307

Sampling Techniques
B90.3308

Experimental Design
B90.3309

*Stochastic Models in Finance I:
Equity and Currency Markets*
B90.3322

*Stochastic Models in Finance II:
Fixed Income Instruments*
B90.3323

*Networks, Graphs, and
Combinatorial Optimization*
B90.3326

*Nonlinear Optimization and
Applications*
B90.3327



Master of Science (in Statistics and Operations Research) Program

Director: Edward L. Melnick • **Program Office:** KMC, 44 West Fourth Street, 8th Floor • **Telephone:** (212) 998-0440 • **Web site:** www.stern.nyu.edu/sor

The Master of Science (in Statistics and Operations Research) is dedicated to producing highly skilled statisticians and operations analysts with an in-depth knowledge of issues from a functional area. Students may take graduate courses from the Department of Mathematics at the Courant Institute of Mathematical Sciences, the Graduate School of Arts and Science (GSAS), and departments within the Stern School, in addition to the courses offered by the Department of Statistics and Operations Research. Graduates from this program now work in such diverse areas as consulting, finance and banking, insurance, market research, medical and pharmaceutical research, and the management of operations.



Summary of Requirements

Students must complete the equivalent of twelve semester courses. Classes meet twice a week for one hour and twenty minutes; a semester is about fourteen weeks.

Full-time students can complete this program in three semesters.

Students must have the equivalent of two semesters of undergraduate calculus and one semester of linear or matrix algebra in order to enter the M.S. (in Statistics and

Operations Research) Program.

Upon admission to the program, students must select their courses in consultation with an M.S. adviser in the Department of Statistics and Operations Research. A program consists of twelve courses: a minimum of seven courses in statistics and operations research and a minimum of three courses in another area of study.

Admission to the M.S. Program does not

guarantee admission to the Stern M.B.A. Program. Students interested in transferring to the M.B.A. Program must submit a new application and meet all admission criteria and application deadlines. For more information about the M.S. (in Statistics and Operations Research) Program and the admission procedures, please contact the program office at (212) 998-0440.

Advanced Courses in Statistics and Operations Research

Candidates must take a minimum of seven advanced courses in statistics and/or operations research.

A student must elect an area of application such as actuarial science, financial modeling, marketing research, or operations management.

Six examples of representative programs, each consisting of seven advanced courses, are given below. They are presented as suggestions only, and candidates are not restricted to choosing from among them.

1. STATISTICS SPECIALIZATION
Introduction to the Theory of Probability
B90.3301

Statistical Inference and Regression Analysis
B90.3302

Multivariate Statistical Analysis
B90.3303

Introduction to Stochastic Processes
B90.3321

Time Series Analysis
B90.3306

Stochastic Models in Finance I: Equity and Currency Markets
B90.3322

Stochastic Models in Finance II: Fixed Income Instruments
B90.3323

2. OPERATIONS RESEARCH SPECIALIZATION

Introduction to the Theory of Probability
B90.3301

Statistical Inference and Regression Analysis
B90.3302

Introduction to Stochastic Processes
B90.3321

Stochastic Models in Finance I: Equity and Currency Markets
B90.3322

Advanced Probability Theory
B90.3352

Linear Optimization and Extensions
B90.3325

Networks, Graphs, and Combinatorial Optimization
B90.3326

Nonlinear Optimization and Applications
B90.3327

3. FINANCIAL MODELING

Applied Stochastic Processes for Financial Models
B90.2308

Introduction to the Theory of Probability
B90.3301

Introduction to Stochastic Processes
B90.3321

Stochastic Models in Finance II: Fixed Income Instruments
B90.3323

Stochastic Processes I: Equity and Currency Markets
B90.3322

Statistical Inference and Regression Analysis
B90.3302

Time Series Analysis
B90.3306

Students should also consider the following computer intensive courses as electives for this specialization:

Statistical Computing and Sampling Methods with Applications to Finance
B90.2314

Data Mining in Finance: Computer and Data Intensive Methods in Statistical Financial Engineering
B90.3355

Students should also consult the Department of Finance for suggested electives.

4. OPERATIONS MANAGEMENT SPECIALIZATION

Introduction to the Theory of Probability
B90.3301

Statistical Inference and Regression Analysis
B90.3302

Statistical Quality Control
B90.2303

Supply Chain Management
B90.2306

Operations Consulting I: Design of Operations
B90.2307

Operations Consulting II: Planning and Scheduling
B90.2327

Introduction to Operations Research
B90.2310

Beyond Total Quality
B90.2320

5. ACTUARIAL SCIENCE SPECIALIZATION Statistics and Operations Research Courses

Forecasting Time Series Data
B90.2302

Mathematics of Investment
B90.2309

Introduction to Operations Research
B90.2310

Introduction to the Theory of Probability
B90.3301

Life Contingencies
B90.3335

Finance Courses

Foundations of Finance
B01.2311

Corporate Finance
B40.2302

Economics Courses

Understanding Firms and Markets
B01.1303

Global Business Environment
B01.2303

6. MARKET RESEARCH SPECIALIZATION

Regression and Multivariate Data Analysis
B90.2301

Introduction to the Theory of Probability
B90.3301

Statistical Inference and Regression
B90.3302

Multivariate Statistical Analysis
B90.3303

Categorical Data
B90.3307

Sampling Techniques
B90.3308

Experimental Design
B90.3309

Students should also consult the Department of Marketing for suggested electives.

TIME LIMIT FOR M.S. (IN STATISTICS AND OPERATIONS RESEARCH) PROGRAM

All degree requirements of the M.S. (in Statistics and Operations Research) Program must be completed within six years, provided continuous matriculation is maintained.

JOINT M.S.-M.B.A. PROGRAM

Students who are interested in pursuing an M.B.A. as well as an M.S. can consider a joint program. This program would require a total of 87 points of graduate study at Stern with a minimum of 27 points in the Department of Statistics and Operations Research. For details, please consult the chairman of the department.

Doctor of Philosophy Program

Director: Edwin J. Elton • **Program Office:** Tisch Hall, 40 West Fourth Street, Suite 8-11 • **Telephone:** (212) 998-0740

An emphasis on research and knowledge creation distinguishes the Ph.D. from other degrees. The Ph.D. Program deepens a student's understanding of a field of study and research methods and prepares the student to conduct independent investigations. Each Ph.D. dissertation makes an original and significant contribution to knowledge.

The Doctor of Philosophy Program is primarily intended to prepare students for faculty positions at major academic institutions.

Business schools have a continuing demand for Ph.D. graduates. Ninety percent of the recent Stern School Ph.D. graduates have taken academic jobs. Recent placement has been in U.S. universities such as Brown, Carnegie Mellon, Columbia, Cornell, Duke, Harvard, Massachusetts Institute of Technology, Michigan, Stanford, University of California at Berkeley, University of California at Los Angeles, Wisconsin, Yale, and foreign universities such as Hebrew, McGill, and London Business School.

In addition, the Ph.D. Program is appropriate for students seeking highly specialized research positions in government or agencies such as the Federal Reserve Board or at the Securities and Exchange Commission.

Thus, the other ten percent of our students were placed in research institutions such as the Federal Reserve, the World Bank, and the Indian government. Those students interested in industry employment should examine master's degree programs discussed elsewhere in the bulletin.



Life of a Faculty Member

A faculty member has two major responsibilities: research and teaching.

Research requires self-discipline, intellectual curiosity, creativity, and technical skills. Thus, students admitted to the Doctor of Philosophy Program will have demonstrated these qualities in their academic performance, high scores on standardized tests, and through former teachers recognizing

these qualities. Faculty members have tremendous freedom in choosing research areas that interest them and in how they allocate their time. Successful faculty members enjoy this freedom and thrive in an unstructured environment. The hours a faculty member works in a week are as many as those in any other high energy profession, but the faculty members have the freedom to

select what to work on, and they have great control over their schedule.

Great teaching is first of all an attitude, a feeling that imparting knowledge is important. Great teachers enjoy the intellectual give and take of the classroom and are excited when students grasp difficult concepts. Great teaching is also effort; putting in the time to make the classroom exciting and productive.

How Should a Student Select a Ph.D. Program?

The most important characteristic of a school that a prospective student should examine is the research environment. Six of NYU's areas of study have been ranked in the top five on the basis of research in recent surveys; three have been ranked number one.

Many of our faculty members are editors of journals, including the top ones in most fields.

Your research area will be primarily determined by your faculty adviser. NYU's size means that no matter what your research interest is, or what it becomes, there are sev-

eral faculty members with that interest. This is a great advantage in comparison to schools with a limited number of faculty members in each area.

NYU's faculty members have broad theoretical interests and strong technical skills. Moreover, our location means that the facul-

ty members also have great institutional knowledge and access to important industry practitioners and influential policy makers. NYU students have real-world smarts as well as strong analytical and conceptual tools.

NYU's location has another advantage. Much of the data that is interesting to analyze is within business firms or financial institutions. Because of our location, Stern

doctoral students have greater access to this data than do students elsewhere.

Finally, we believe NYU faculty members are the most international of any major business school. A useful method to see what countries the faculty members come from is to look at the undergraduate degrees in the faculty list at the end of the bulletin. This international character means that U.S.

culture and institutions are not taken for granted. Stern does not have a monolithic framework used for analyzing all ideas. Rather, we believe progress comes from a free interchange of ideas from many intellectual frameworks and cultural experiences. This is why we treasure and encourage the international character of our faculty members and students.

Admission Criteria

More than any other program, Ph.D. admission places emphasis on past academic accomplishments and on evidence of

promise as shown on standardized tests and transcripts. Ph.D. students need a high degree of technical competence, energy, cre-

ativity, and intellect and a clear career goal. We look for evidence of these qualities in essays and résumés.

Admission Procedures

An application can be obtained through our Web site at www.stern.nyu.edu/phd by writing to the Doctoral Office, Stern School of Business, New York University, 40 West Fourth Street, New York, NY 10012-1118; or by calling the Doctoral Office at (212) 998-0740.

GMAT scores are required. For applicants whose native language is not English and who have not received a university degree in an English-speaking country at the time of application, the Test of English as a Foreign Language (TOEFL) scores are required in addition to GMAT scores. You must plan to

take these tests so that we have results by February 1. Check with Educational Testing Service (ETS) to find out the last date by which to register to ensure that your test scores reach us in time. The ETS reporting code for the GMAT and TOEFL is 2586.

Admission Deadline

We admit one class a year, which starts in September. The deadline date for submitting the application is **FEBRUARY 1**.

Admission Requirements

Prerequisites are calculus, matrix algebra, basic economics (microeconomics and macroeconomics), financial accounting, and psychology or sociology. A student can

correct a deficiency in psychology or sociology or accounting during the first year of study, but every student should satisfy the prerequisites in calculus, economics, and

matrix algebra before starting doctoral study.

Financial Aid

A Ph.D. student need not apply separately for financial aid because the Ph.D. Committee assumes that every doctoral student wishes to receive aid. Awards consist of stipends and tuition scholarships and recognize merit rather than need.

The Stern School makes every effort to offer financial aid similar to packages offered by other high-ranking doctoral programs.

For students in their first three years of study, financial aid primarily takes the form

of research assistantships. Fourth-year financial aid takes the form of research assistantships, teaching assistantships, and teaching. Aid for fifth-year students is in the form of fellowships or teaching.

Web Site

For the most complete and current information on the doctoral program, please visit our Web site at www.stern.nyu.edu/phd. This site contains links to the Web pages of each

of our major areas, listings of faculty and student papers, recent dissertation titles, and other information of interest to prospective students. We frequently update the Ph.D.

Web site, so we encourage you to check it often.

Majors

The Stern School offers majors in eight fields of study. In addition, all areas can be joint with international business.

- Accounting or Taxation
- Economics

- Finance (corporate finance and investments)
- Information Systems
- Management (corporate strategy, organizational behavior, organization theory)

- Marketing
- Operations Management (Pending New York State Education Department approval)
- Statistics and Operations Research

Requirements

Doctoral study begins with three research skills methodology courses. The student must demonstrate competence at the Ph.D. level in probability, statistics, and microeconomics. Each program of study must incorporate the three research skills methodology courses, seven courses in the major field, four electives, and 18 points of dissertation seminars. The program of study for an international business comajor must include the three research skills methodology courses,

four courses in international business, six courses in a comajor field, one course to be approved by the area coordinator, and 18 points of dissertation seminars. Two doctoral seminars are required, and students must present a research paper in a formal international business seminar at least once before the end of the third year.

After completing all course work, each student takes a comprehensive examination that consists of a written section covering the

major field and an oral section covering both the major and elective fields. The doctoral program concludes with a student's writing and defending a dissertation. The student works with a dissertation committee consisting of a chairperson and at least two other faculty members. Usually, the chairperson and one committee member represent the major field, and one member represents an outside field.

Rules and Regulations

Course requirements, time limits, and other procedures are thoroughly explained in the doctoral handbook. Each doctoral student should obtain a copy and use it as a reference.

Time Limits and Residency

A student should pursue the doctoral program with a strong commitment. A student who extends the doctoral program becomes less likely to complete it. More importantly, courses taken several years ago often represent knowledge that has grown obsolete. Therefore, every student must do the following:

1. Pass the comprehensive examination before starting the third year of the program.
2. Successfully defend a thesis proposal by the end of the fourth year.
3. Complete all degree requirements within six years.

4. Maintain continuous matriculation.

There are other rules that govern time limits. They are explained in the doctoral handbook. All students should obtain a copy and be careful to follow these limits. Students not meeting these limits are asked to leave the program.

General Information

Previous graduate work is not an admission requirement, but faculty advisers may, in special circumstances, give credit for past

academic work in meeting part of the course requirements.

Only full-time students are admitted into

the Ph.D. Program. Students complete the program on average in four to five years.

Computing Facilities

Computer labs and electronic classrooms offer approximately 200 Pentium-based personal computers running a variety of *MS Windows NT* software, including *Microsoft Office 97* for word processing, spreadsheet analysis, and database management; *MINTAB* for statistical analysis; and *Link* for linear programming, along with many other programs for student use. All PCs are

networked and provide access to our time-sharing systems and laser printers.

All doctoral students have a personal computer assigned to them. In addition, there are two main time-sharing systems for students: trader and sales. All entering graduate students automatically receive accounts on trader and sales. The time-sharing systems provide E-mail and a variety of appli-

cations software, including *SAS* and *SPSS* for statistical analysis, *C*, *FORTRAN*, and economic and financial databases such as *Citibase*, *Compustat*, and *CRSP*.

Stern offers free seminars on software applications at the start of each semester. For more information, see pages 122-23, Computing at Stern.

Joint Degree Programs

For those who want to enhance their career prospects with advanced education in two complementary fields, the Stern School offers the following programs in conjunction with other graduate divisions at NYU:

- J.D.-M.B.A. (with the School of Law)
- M.A.-M.B.A. (with the Institute of French Studies, Graduate School of Arts and Science)
- M.A.-M.B.A. (with the Department of Politics, Graduate School of Arts and Science)
- M.S.-M.B.A. (with the Department of Biology, Graduate School of Arts and Science)
- M.P.A.-M.B.A. (with the Wagner Graduate School of Public Service)
- M.S.-M.B.A. (with the Department of Statistics and Operations Research, Stern School of Business)
- Ph.D.-M.B.A. (with the Ph.D. Program, Stern School of Business)



Application Procedures

All programs follow the same basic application procedures:

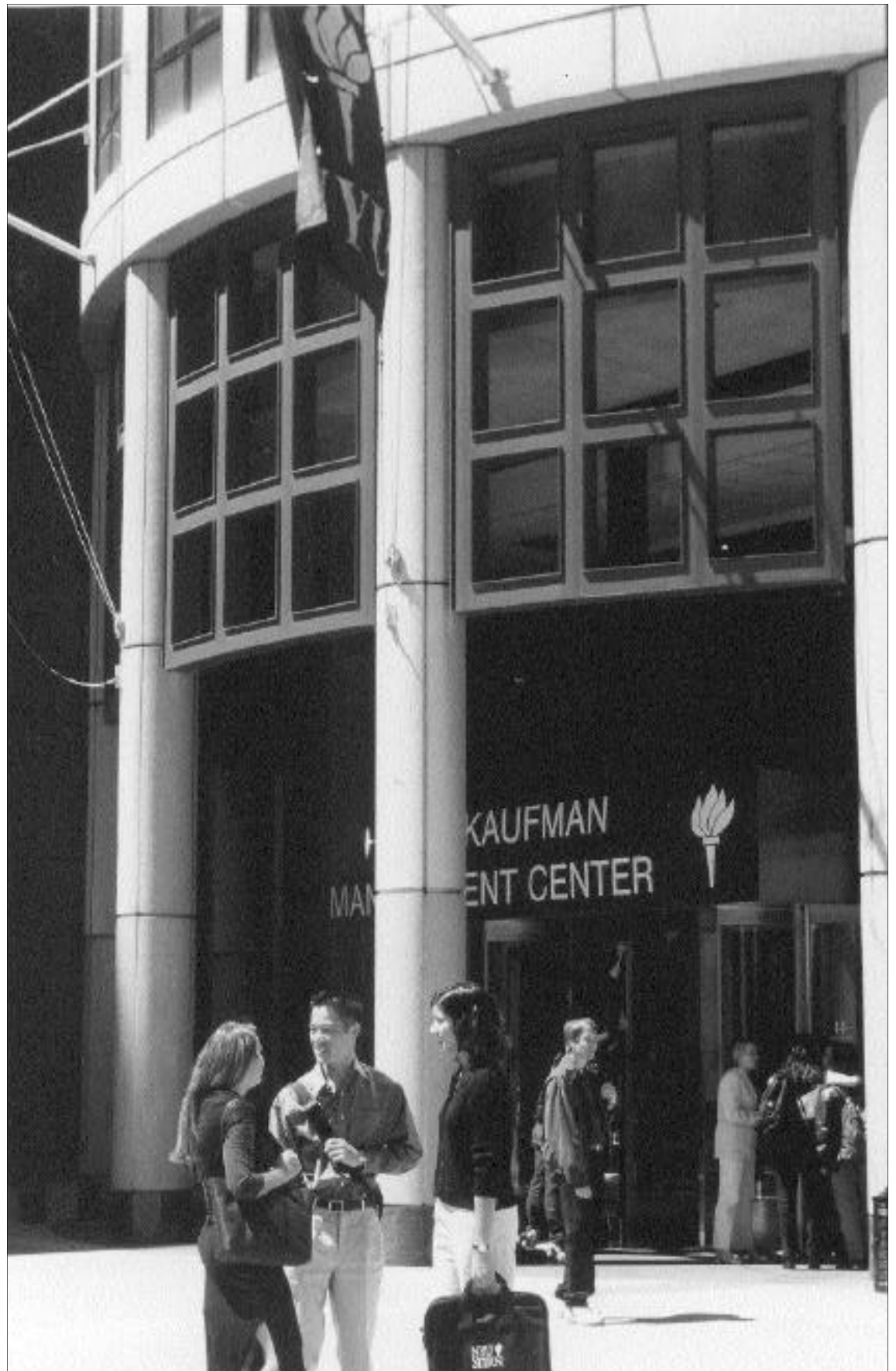
- Applicants must submit separate applications to the Stern School and the other participating school. They will compete with regular applicants at each school and must be admitted to both schools. Applicants

should write the name of the joint program across the top of each school's application.

- Full-time students seeking financial aid must submit the financial aid application to the school they will be attending for most of that academic year.

- Detailed information on program scheduling and structure is available in M.B.A. Academic Advising.

Web site: www.stern.nyu.edu/mbaadvising



Accounting, Taxation, and Business Law

The accounting, taxation, and business law curriculum is intended for the business professional who wishes to gain a deeper understanding of accounting systems and their role in decision making within and outside of the business entity. It offers an attractive second major for students in finance who wish to specialize in financial statement analysis, as well as courses of specific interest for managers in various fields.



Chairman: Paul R. Brown

Professors: Kashi R. Balachandran, John S. Bildersee, Jeffrey Callen, Frederick D. S. Choi, Seymour Jones, Baruch Lev, Joshua Livnat, James Ohlson, Joseph Rebovich, Joshua Ronen, George H. Sorter

Associate Professors: Eli Bartov, Paul R. Brown, Alex Dontoh, Haim Dov Fried, Teresa John, April Klein, Ajay Maindiratta, James R. Ratliff, Stephen Ryan, Jeremy Wiesen, Paul Zarowin

Assistant Professors: Jeanne Calderon, Dan Gode, Richard Hendler, Rachel Kowal,

Carol Marquardt, Partha Mohanram

Department Office: Tisch Hall, 40 West Fourth Street, 3rd and 4th Floors

M.B.A. Program Adviser in Accounting: Ajay Maindiratta

Accounting

The graduate program in accounting offers elective courses in the areas of financial statement analysis, financial accounting, managerial accounting, business law for managers, and strategic business planning and taxation. These courses are intended to aid students in gaining a deeper understanding of accounting reports, the construction of an accounting information system to strengthen the firm's competitive advantage, the opportunities available in minimizing tax payments, and the implications of the legal system for managers.

To major in accounting, the student may take any 12 credits of B10 or B95 course work as described in the courses below. Students interested in the CPA Professional Program track should contact the M.B.A. Academic Advising Office. In addition, students should visit the department's Web site, www.stern.nyu.edu/acc, for information on current course offerings and how they relate to various fields.

COURSE OFFERINGS

Accounting Workshop
B00.1001

Financial Accounting and Reporting
B01.1306

Financial Reporting and Analysis
B10.2302

An Integrated Approach to Financial Statement Analysis
B10.2303

E-Commerce: Accounting, Control, and Valuation
B10.3150

Information Analysis for Managerial Decisions
B10.3305

Auditing
B10.3313

Topics in Corporate Strategies and Financial Disclosures
B10.3320

Analysis of Financial Institutions and Financial Instruments
B10.3321

Accounting for Mergers, Acquisitions, and Related Matters
B10.3330

*International Accounting and
Financial Statement Analysis*
B10.3335

*Accounting and
Valuation Issues in the
Entertainment, Media, and
Telecommunications Industries*
B10.3355

*Accounting, Tax, and Legal
Issues for Entrepreneurs*
B10.3360

*Taxation of Individuals and
Business Income*
B95.2302

*Strategic Business Planning
and Taxes*
B95.2305

Business Law for Managers
B95.2314

*Law of Property, Insurance,
Wills and Estates, Commercial
Paper, Secured Transactions,
Bankruptcy, Employment Law,
and Accountant's Liability*
B95.2315

*Taxation of Mergers,
Acquisitions, and Related
Matters*
B95.3336

*Tax Aspects of International
Business*
B95.3343

Doctoral Courses

Seminar on Accounting Thought
B10.4110

Doctoral Seminar in Accounting
B10.4111

*Theory and Research in
Managerial Accounting*
B10.4302

COURSE DESCRIPTIONS

Accounting Workshop
B00.1001
Noncredit.

The purpose of the accounting workshop is to introduce students to the fundamentals of financial accounting and the basic business terms used in the United States. The workshop is for students with no accounting background. Topics include an introduction to basic accounting concepts including assets, liabilities, owners' equity, book value, net worth, receivables, payables, and the fundamental accounting equation.

*Financial Accounting and
Reporting*
B01.1306
3 credits.

Accounting reports are an important means of communication with investors. This course focuses on the development, analysis, and use of these reports. It provides an understanding of what these reports contain, what assumptions and concepts accountants use to prepare them, and why they use those assumptions and concepts. Uses simple examples to provide students with a clear understanding of accounting concepts. It stresses the ability to apply these concepts to real-world cases, which by their very nature are complex and ambiguous. In addition to text-oriented materials, the classes also include cases so that students can discuss applications of basic concepts, actual financial reports, and articles from newspapers. In addition to traditional introductory topics, other topics may include mergers and acquisitions, purchase and pooling, free cash flow, and financial statement analysis.

*Financial Reporting and
Analysis*
B10.2302

*Prerequisite: B01.1306. Not to be taken
by students who have taken B10.3320.
3 credits. Fall and spring terms.*

The course uses tools learned in Financial Accounting and Reporting, such as ratio and accounting analysis, to discuss, in depth, financial reporting principles, emphasizing the link between the reporting principles and the financial statements. Students learn how management uses financial reporting decisions to influence reported income and asset and liability values, and they gain the tools necessary to analyze the impacts of alternative reporting decisions on financial statements.

Ideal for students who wish to pursue careers in investment banking, investment management, and consulting as well as

public accounting. In addition to being a required course for CPA-track accounting majors, it is a highly recommended course for majors in finance, economics, marketing, and information systems.

*An Integrated Approach to
Financial Statement Analysis*
B10.2303

Prerequisite: B01.1306. 3 credits.

Describes financial reporting objectives and methods used by corporations. Focuses on the analysis of the information in corporate financial statements, including the impact of alternative accounting procedures and assumptions. Offers ways to adjust for selected reporting differences. Discusses applications using cross-sectional and time series analysis. Case studies (including firms with international operations), computer databases, and computer-based assignments may be used. An understanding of basic financial concepts is recommended.

*E-Commerce: Accounting,
Control, and Valuations*
B10.3150

Prerequisite: B01.1306. 1.5 credits.

This course addresses a set of unique financial reporting and managerial control issues that result in E-commerce firms having valuations seemingly different from most other firms. Financial reporting issues affecting firms in the digital economy include how and when revenue is recognized, how expenses are recognized for the granting and exercising of employee and director stock options, and the treatment of expenditures required to build important assets such as software and brand recognition. Unique aspects of managerial control in E-commerce firms include security of systems and transactions, integrity of record keeping, employee compensation, and considerations provided to suppliers. The course will also examine market valuation of E-commerce firms.

*Information Analysis for
Managerial Decisions*
B10.3305

Prerequisite: B01.1306. 3 credits.

This course complements courses addressing operational management, marketing, and strategy. Cost management plays a key supporting role in the creation of more value to the consumer of a firm's products and services, thus enhancing its competitiveness.

Any organization can benefit from cost management systems that accurately provide information and facilitate integration of initiatives such as total quality, new product and service design, cost reduction, and business process improvement, which enhance their competitiveness and profitability.

Topics include design and implementation of cost measurement systems for production and strategy choice; management control; enhancement of quality; timeliness and the measurement of customer, product, and market regional profitability; and the use of cost information during design and production stages. Learn to cost products, services, and strategies in manufacturing, financial, and service industries with accuracy. Activities that do not contribute value to the firm and those that increase efficiency of operations are discerned, facilitating intelligent strategic budgeting processes. Efficient cost reduction approaches, monitoring of performance, quality enhancement projects, and strategies to increase profitability of the firm are components of the course. Learn to measure outcomes through performance measures such as deviations from standard norms, return on investment, economic value added, and balanced score card techniques. Tools such as activity-based costing, target costing, Kaizen, and customer profitability analysis are discussed using appropriate case studies from companies.

Auditing

B10.3313

Prerequisite: B01.1306. 3 credits.

Fall and spring terms.

An intensive study is made of fundamental concepts and principles underlying the examination of the financial statement by the independent public accountant. Auditing and reporting standards and the responsibilities assumed by the auditor in the attest function are analyzed within the broad framework of the code and principles of professional conduct. Emphasis is placed on the evaluation of evidential matter and the system of internal control. Current literature is examined, including the publications of the AICPA Auditing Standards Board.

Topics in Corporate Strategies and Financial Disclosures

B10.3320

Prerequisite: B10.2303. 3 credits.

Fall and spring terms.

The course focuses on analysis of the

accounting methods and issues arising in connection with business combinations; mergers and acquisitions; the debate that has been and still is raging about the purchase vs. pooling methods in the press; the SEC and the FASB deliberations; and on the capital market impacts of these methods. The classes address related accounting and disclosure issues as these impinge on combination decisions by companies and the resulting market reaction. Academic literature reporting on empirical or analytical studies of business combinations is occasionally discussed. Active participation by students in the form of project presentations is part of the course.

Analysis of Financial Institutions and Financial Instruments

B10.3321

Prerequisite: B10.2303. 3 credits.

Focus is on consolidations, mergers and acquisitions, foreign currency translation, and other timely accounting issues. Includes financial statement analyses of specialized service industries such as utilities, communications, insurance, and financial services. Case studies of selected firms, cross-sectional, and time-series analysis may be used.

Accounting for Mergers, Acquisitions, and Related Matters

B10.3330

Prerequisite: B01.1306. Not to be taken by students who have taken B10.3320.

3 credits. *Fall and spring terms.*

This course focuses on four major issues in financial reporting: accounting for mergers and acquisitions; preparation of consolidated financial statements; the translation of foreign currency financial statements and foreign currency transactions; and accounting for derivatives including the use of derivatives in hedging transactions. Recommended for both accounting and finance majors.

International Accounting and Financial Statement Analysis

B10.3335

Prerequisite: B10.2303. 3 credits.

This course focuses on policy issues of foreign currency translation, global inflation, transnational reporting and disclosure, international accounting and auditing standards. Financial statements of multinational

and foreign firms are used for financial statement analysis. May include case studies, computer-based assignments, and research projects.

Accounting and Valuation Issues in the Entertainment, Media, and Telecommunications Industries

B10.3355

Prerequisite: B01.1306. 3 credits.

This course examines accounting and valuation issues that are distinctive to the various EMT industries. The first part of the course describes financial economic phenomena that are common to these industries, such as the nature and importance of tradeoffs between fixed and variable cost structures; significant contingent aspects of compensation and financing contracts; and the tension between accelerating and delaying investments given potential first mover advantages but high uncertainty. The second part of the course discusses special rules that govern financial accounting in these industries. Emphasis is placed on the limitations of accounting numbers given the largely intangible nature of the economic assets (e.g., subscriber bases, libraries, and brands) in these industries. The third part of the course is devoted to case and financial analyses of firms in specific EMT industries.

Accounting, Tax, and Legal Issues for Entrepreneurs

B10.3360

3 credits.

The course offers students an opportunity to be exposed to the actual accounting, tax, and legal issues confronted by entrepreneurs. This is particularly useful for students who intend to start their own business and those who either wish to be part of the management of entrepreneurial businesses or who intend to incubate new businesses within the structure of major corporations. Provides practical business tools to start, develop, and maintain new entrepreneurially managed businesses and to understand the psychology and sound financial business practices of the entrepreneurial world in order to be a successful entrepreneur.

Taxation of Individuals and Business Income

B95.2302

Prerequisite: B01.1306. 3 credits.

The purpose of this course is to develop, on a

sound conceptual base, a basic understanding of federal income taxation to provide tools for a practical application to business and nonbusiness situations. Includes such topics as capital asset and property transactions, business and personal deductions, depreciation, depletion, accounting methods and periods, retirement plans, tax credits, and the alternative minimum tax system. While the emphasis is on business income of individuals, the course also provides an introduction to the taxation of corporations and partnerships. During the fall semester, the students are required to enter the annual tax tournament scheduled for late November. Students in the spring semester are required to complete a group take-home project similar to the tax tournament case study.

Strategic Business Planning and Taxes

B95.2305

Prerequisite: B01.1306. 3 credits.

The objective of this interdisciplinary course is to consider the tax environment, institutional constraints, legal procedures, and the organizational structure in arriving at optimal business decisions. Modern economic theory of tax planning is used to analyze decision making, explain institutional arrangements, and predict the effects of changing tax environments for businesses. Concepts are applied to compensation and pension planning; employee stock ownership plans; multinational tax planning; capital structure and dividend policy; debt financing to eliminate corporate level taxes; repackaging ownership rights through joint ventures and partnerships; mergers and acquisitions; tax-free reorganizations and divestitures; and preservation of tax attributes in reorganizations. Classroom discussions include problems and case studies.

Business Law for Managers

B95.2314

3 credits. Fall and spring terms.

Focus is on elements of business law that are essential for basic management of business operations. Topics include the law of contracts, sales, partnerships, corporations, securities, and accountants' legal liability. Cases are included in the course.

Law of Property, Insurance, Wills and Estates, Commercial Paper, Secured Transactions, Bankruptcy, Employment Law, and Accountant's Liability

B95.2315

Prerequisite: B95.2314. 3 credits.

Fall and spring terms.

Begins with a study of property, insurance, wills, and estates. The law of commercial paper and secured transactions under the Uniform Commercial Code as well as bankruptcy are also examined. Fair employment practices and accountant's professional liability conclude the course of study. Text and case methods of presentation are used throughout.

Taxation of Mergers, Acquisitions, and Related Matters

B95.3336

Prerequisite: B01.1306. 3 credits.

A study of the income tax rules relating to the formation and operation of business corporations. Includes such topics as the organization of the corporation, redemptions, liquidations, reorganizations, divisions, multiple corporations, corporate tax attributes and carryovers, state income taxation, and U.S. taxation of foreign source income. The emphasis is, however, on the tax aspects of mergers and acquisitions. Classroom discussions include problems and case studies. Students are assigned a group project requiring the solution of a case study in the area of corporate reorganizations and divisions.

Tax Aspects of International Business

B95.3343

Prerequisite: B01.1306. 3 credits.

Considers the determination and administration of U.S. income tax liabilities resulting from international transactions. Explores the significant U.S. tax considerations that confront foreign business participating in the U.S. economy and U.S. business deriving income abroad. The objective is to give students tools necessary to identify and resolve the pitfalls and opportunities of cross-border activities. Classroom discussions include problems and case studies. Students are assigned a group project requiring the solution of a case study in the area of international taxation.

Doctoral Courses

Seminar on Accounting Thought

B10.4110

1.5 credits.

Examines social science methodology and contemporary accounting theory to provide a framework for analyzing the evolution of accounting thought. Examines works of classic theorists (Sprague, Hatfield, Paton, Canning, and Vatter) and isolates pivotal concepts in theory development. Examines issues of current interest in a historical perspective.

Doctoral Seminar in Accounting

B10.4111

1.5 credits.

An in-depth doctoral course examining one or two areas of current accounting research. Content may vary from year to year.

Theory and Research in Managerial Accounting

B10.4302

3 credits.

An in-depth course dealing with current research topics in managerial accounting.

Economics

Sixty years ago, John Maynard Keynes put it succinctly: “The ideas of economists . . . are more powerful than is commonly understood. Indeed the world is ruled by little else.”

The Department of Economics at the Stern School stresses the development of tools, concepts, and techniques useful in problem solving and is thus uniquely suited to serve the needs of the business and financial communities.

Economics is the cornerstone of any academic program in business. Economic theory provides the foundation for virtually every discipline in the business school curriculum. Without a theoretical framework, problem solving is only an ad hoc procedure.

The Stern School’s economics faculty is composed of specialists and generalists who cover a wide range of economic thought and applications.

Economics can be divided into two broad areas: microeconomics and macroeconomics. Microeconomics focuses on the theory and activities of individual consumers and businesses. It studies market structures, pricing policies, business strategies, and, generally, optimal decision making by economic agents. Macroeconomics is concerned with aggregate economic activity and its determinants. It studies inflation, unemployment, and output and how monetary and fiscal policy affect all of them.

Studying economics provides an invaluable perspective to anyone choosing a career in business or in areas of government involved with business.



Chairman: William H. Greene

Professors: David Backus, Thomas Cooley, George Daly, Daniel Diamond, Nicholas Economides, William H. Greene, John Guilloil, Barbara G. Katz, Robert Kavesh, Rita Maldonado-Bear, Thomas Pugel, Roy Radner, Rama Ramachandran,

Ryuzo Sato, William Silber, George Smith, Marti Subrahmanyam, Richard Sylla, Paul Wachtel, Ingo Walter, Lawrence White

Associate Professors: Jose Campa, Nouriel Roubini

Assistant Professors: Alessandra Fogli, Giuseppe Lopomo, Fabrizio Perri,

Vincenzo Quadrini

Adjunct Faculty: Joseph Dziwura, Seth Freeman, David Friedman, Michael Niemira, James Orr, Milind Rao, Bruce Skoorka, Edward Steinberg, Michael Tindall

Department Office: KMC, 44 West Fourth Street, 7th Floor

Courses in Economics

CORE COURSES

Understanding Firms and Markets

B01.1303

3 credits.

An issues-oriented approach is added to the traditional perspective of microeconomics in this course. This enhances students’ under-

standing of the business environments in which they will work and the important strategic issues (including pricing and product choice) that will arise. A business history underlay helps set the stage, and strategy is a recurring theme. Cost management and managerial accounting issues are also incorporated.

Global Business Environment

B01.2303

3 credits.

What are the key elements of open economy macroeconomics and international trade and policy? This course introduces the tools and frameworks needed to analyze the major features of the global business environment,

and examines key opportunities and challenges facing a firm in contemporary business. An exploration of international macroeconomic policy and an examination of the sources of growth, exchange rate determination, currency crises, and related issues are also incorporated.

COURSES PRIMARILY FOR MASTER'S DEGREE CANDIDATES

Monetary Theory and Policy

B30.2333

Prerequisite: B01.2303. 3 credits.

Deals with contemporary problems, both theoretical and applied, in monetary policy. The course begins with an examination of the role of money in macroeconomics and the mechanisms for the transmission of monetary policy. The structure of the Federal Reserve System is examined. The procedures used by the Federal Reserve to formulate and implement monetary policy are examined in detail. The impact of monetary policy under different exchange rate systems, including the European monetary system, is also explored. Current policy decisions are evaluated.

Economic and Financial Forecasting

B30.2361

Prerequisites: B01.1303 and B01.2303.

3 credits.

This is an application-oriented course blending economic reasoning and judgment with statistical methods. After an initial discussion of "background tools," the course explores some formal forecasting methods, time-series forecasting methods, and econometric methods. Since forecasting involves both art and science, a key objective of this course is to provide some guidelines as to which forecasting technique may be best suited for the process under study. Various forecasting techniques are discussed along with numerous forecasting examples. Examples come from the real estate markets, the stock market, the bond market, foreign exchange rates, and the real side of the economy. Students, in teams, have hands-on experience analyzing data and making and presenting a forecast.

Current Economic and Financial Problems: Rhetoric, Reality, and Remedies

B30.2342

3 credits.

Provides an overview of a broad range of issues and problems confronting the business and financial communities. Topics include the outlook for the world economy; interest rates and stock prices; the balance of payments problem; the changing structure of the money and capital markets; the issue of inflation/deflation; governmental regulation and deregulation; and the current fiscal and monetary scene. Problems are approached on both domestic and international bases. The goal is to provide a sense of perspective and interdependence in dealing with forces and factors that influence decision makers.

Strategic Use of Incentives and Information: An Experimental Approach

B30.2364

3 credits.

Modern corporations face a number of problems, including motivating employees to work productively, motivating profit centers to cooperate, and matching workers with appropriate jobs. Recent research on these problems uses a combination of experimental and theoretical techniques. This course introduces the concepts of incentives, information, and strategy, with applications to double auctions and related markets, matching of workers to jobs, individual and group compensation schemes, bargaining, transfer pricing, cost allocation, and fair division. Students participate as subjects in a series of laboratory experiments designed to enhance the learning process, and examine related theories, applications, and published experimental research. Grades are based on analyses of in-class experiments and a final examination. Enrollment is limited to thirty-six students.

Information in the Marketplace

B30.2368

Prerequisite: B01.1303. 3 credits.

Discusses the role of information in business decisions and the marketplace. Focuses on three major areas: (1) information as intellectual property; patent, copyright, and trademark law; research and development and its relationship to U.S. industrial productivity; (2) the role of information in game theory and strategic interactions; (3) problems of incomplete (asymmetric) information, its effect on the marketplace, and the types of responses by firms and individuals that arise in the marketplace.

International Competition and the Multinational Enterprise

B30.2385

Prerequisites: B01.1303 and B01.2303.

3 credits.

This course addresses several questions involving a firm's international activities. It begins by examining aspects of the international economic environment of a firm. First, building on the international concepts developed in the core courses, the course examines trade policy in both perfectly competitive and imperfectly competitive industries. Next, it examines recent changes in the international competitive environment with an emphasis on regional commercial integration; the operations of fixed exchange rate systems, such as the European Monetary System; and the impacts of international borrowing and lending. The course then takes an in-depth look at multinational enterprises, examining the economic forces that give rise to multinationals and the impact of multinational enterprises on international trade, product, and factor markets and on the economies of the home and host countries.

The Comparative Analysis of the Japanese and U.S. Economies

B30.2337

Prerequisites: B01.1303 and B01.2303.

3 credits.

Examines the Japanese economy as an application of modern macro- and micro-economics. Provides a comparative analysis of the Japanese economy, in particular, with the U.S. economy. Topics include historical perspective and modernization, postwar economic growth and technical change, industrial structure, public finance and tax system, financial liberalization, political economy of trade friction, exchange rate, Japanese management style.

Post-Soviet Economies in Transition

B30.2383

Prerequisites: B01.1303 and B01.2303.

3 credits.

Ten years after the fall of the Berlin Wall, the economies in transition report varied experiences. Generally, the Eastern European countries are faring better than Russia and the other successor states to the former Soviet Union. With few exceptions, however, the performances of these countries are problematic and sometimes poor. Why has it proven so difficult for these former commu-

nist countries to replace their failed centrally planned economies with market economies? In large measure, the answers can be traced to aspects of the discredited centrally planned mechanism and the economic environment it engendered. Initially, it was anticipated that if the old system were dismantled and capitalism given a chance to begin, that capitalism would flourish, thus accomplishing the transition. Due to the persistence of the deep distortions created by central planning in the communist environment, however, this has not proven to be enough. While ownership may no longer be in the hands of the state, effective market economies have rarely been forged. Income levels have fallen, income inequality has risen, many transitions take place outside the normal economic channels, and there is substantial capital flight. In many cases crony capitalism has been the outcome. This course provides a framework for understanding the process of transition by furnishing a basic knowledge of both Soviet economic history and the administrative-command mechanism identified with Soviet central planning. Against this background, the economics of transition are explored. Particular attention is devoted to the following issues: the appropriate speed of transition, privatization, restructuring, corporate governance, banking and financial markets, and growth and macroeconomic stability.

Financial History

B30.2392

Prerequisites: B01.1303 and B01.2303.

3 credits.

Study of the historical development of financial institutions and markets. Covers monetary, banking, central banking, and capital market history. Topics include the composition, growth, and fluctuations of money; evolution of banking systems and their regulation; development and rationale of central banking; and major trends and fluctuations in stock, bond, and money markets. Attention is given to international influences and comparisons, as well as to major instances of financial instability.

Economic and Business History of the United States

B30.2330

Prerequisites: B01.1303 and B02.2303.

3 credits.

This course examines the historical development of American enterprise since the beginnings of the industrial revolution. Its focus is

mainly on the entrepreneurial forces that shaped the rise and evolution of the modern economy and business system. Takes into account business strategy and structure, finance, management, labor organization, technology, transportation, communications, and public policy. Discusses the broader economic, cultural, and political constraints within which American enterprise has been shaped. The goal is to impart a long-term perspective from which contemporary business can be understood and to introduce students to historical ways of thinking about economic development.

The Social Setting of Business

B30.2389

3 credits. Not open to students who have already taken B30.2342.

Deals with the relevance of major economic, historic, political, social, and cultural factors to the problems of the American business community. Analyzes rival philosophies of economics—"liberalism" and "conservatism." Traces major forces and trends in the formulation of policy in an environment of power blocs and pressure groups.

Global Perspectives on the History of Enterprise

B30.2338

3 credits.

This course compares the rise and evolution of modern corporate enterprise across nations. Considers the social and economic contexts for and the patterns of creation, growth, and change in industrial organization from the "first industrial revolution" to the present day. Discusses how and why different societies have achieved competitive advantages in domestic markets and global trade at different times. Examines the effects of culture, technology, finance, and government on the economies of England, Germany, Japan, the United States, and the East Asian "tigers," as well as newly developing and lagging economies around the world.

Entrepreneurial Leadership: Patterns and Processes

B30.2305

3 credits.

Entrepreneurship is the introduction of significant change into economic life. This course examines the manifold aspects of entrepreneurship and its impacts on economic development, primarily through the close examination of biographies of rep-

resentative "actors" to illuminate our understanding of some basic economic and historical theories about entrepreneurship. Addresses such questions as the following: What is the relationship between entrepreneurial undertakings, on the one hand, and culture and institutions, on the other? How can society and its organizations enhance entrepreneurship? Are there typical problems that every entrepreneur must confront and solve to be successful? Can we discern common personality traits or behavioral attributes among the various entrepreneurs in our study?

Telecommunications Economics and Digital Convergence

B30.2345

3 credits.

This course analyzes the economics of telecommunications and related services, including cable television. We study the evolution of the telecommunications industry paying special attention to the crucial antitrust intervention that resulted in the 1984 breakup of AT&T and to the reform attempted by the Telecommunications Act of 1996. We study in depth the economics of monopoly and oligopoly as applied to network industries, and, in particular, to telecommunications markets. We apply this knowledge to the analysis of traditional telecommunications markets, including long distance, local, and international; "new" telecommunications markets including cellular and PCS; and "emerging" telecommunications and electronic commerce markets based on the Internet. We analyze the current wave of mergers and consolidation in the industry from the perspective of "digital convergence" and predict the framework and direction of industry change.

Economic Regulation and Managerial Decision Making

B30.3313

Prerequisite: B01.1303. *3 credits.*

Explores the economics of regulation, law, and public policy and their applications to business activity. The economic principles underlying regulation and other laws affecting businesses are discussed. Analysis of the applications of regulation, governing both its intended and unintended effects, and its legal and institutional framework, are explored. Emphasis is placed on developing practical understanding for business decision making.

**COURSES PRIMARILY FOR
PH.D. CANDIDATES**

***Microeconomic Decisions
(Microeconomics I)***

B30.3334

3 credits. Ph.D. core course. Fall.

A course covering the foundations of microeconomics. It presents standard consumer's and firm's theory and extends the analysis to allow for uncertainty. It also introduces general equilibrium theory, information economics, and game theory. Lectures rely on constrained optimization and comparative static techniques throughout.

***Advanced Microeconomic
Theory (Microeconomics II)***

B30.3312

Prerequisite: B30.3334 or the equivalent.

3 credits.

As a sequel to Microeconomics I, this course covers the basics of game theory and oligopoly theory. The main focus of this course is on strategic interactions, where few agents

have to take into account the effect of their actions on others. We discuss simultaneous and sequential games in extensive and normal forms and apply noncooperative and cooperative equilibrium concepts. We then go to applications in the choice of price, variety, and quality in oligopoly and monopolistic competition; strategic coordination, collusion, and creation and stability of cartels; first mover's advantage and disadvantage; nonlinear pricing; economics of networks, including financial statement; innovation. We also discuss existence and optimality of general equilibrium in a perfectly competitive economy.

***Economic Growth and
Technical Change***

B30.3340

Prerequisite: B30.3334 or the equivalent.

3 credits.

The course discusses the trends in economic growth and the factors that influence them. Descriptive and optimal models are considered after a discussion of the appropriate

analytical techniques. Consideration of empirical studies that indicate the importance of technical change in determining the growth rate leads to a discussion of microeconomic and growth theoretical models of technical change. Specific topics include techniques for estimation of production functions and technical change, optimal control methods and their application in growth theory, group theoretic methods in economics dynamics, innovation and public policy, and international trade and R&D.

***Macroeconomic Analysis
(Macroeconomics I)***

B30.3325

3 credits. Ph.D. core course. Fall.

A course in dynamic macroeconomic theory with emphasis on the connections between theory and aggregate time series data. Includes a development of the tools of dynamic, stochastic analysis; a review of evidence on business cycles and asset prices; and a description of current research strategies for explaining aggregate phenomena.



Advanced Topics in Macroeconomics (Macroeconomics II)

B30.3332

Prerequisite: B30.3325 or the equivalent.

3 credits.

Topics in recent years have included search theory, multiple equilibria, dynamic tax policy, unit roots and other interactions between macroeconomics and econometric time series methods, and endogenous growth. The emphasis is on understanding and critically evaluating recent work in macroeconomics, broadly defined, and in producing a piece of original research.

Microeconomics: Theory and Applications

B30.3335.01

3 credits. Ph.D. core course. Fall.

For doctoral students whose programs do not include advanced courses in economics. Emphasizes concepts and techniques of economic analysis that are likely to be useful in the students' doctoral dissertation research. Develops key concepts and techniques of microeconomics and then applies them to a number of current research issues in accounting, information systems, management, and marketing (and possibly other areas, depending on the students enrolled). In each case, the course explores the relevant microeconomic theory and some of the empirical literature. This course is an alternative to B30.3334 as the core requirement in microeconomics.

Econometrics I

B30.3351

Prerequisites: Ph.D. core courses in statistics and operations research or the equivalents. 3 credits.

The theory of estimation and inference in econometrics. Covers finite sample results for the classical linear model, as well as asymptotic results for single equation models. Topics include linear and nonlinear least squares, generalized least squares, panel

data, instrumental variable techniques, and generalized method of moment estimation. Heavy emphasis is given to empirical applications.

Econometrics II

B30.3352

Prerequisite: B30.3351 or the equivalent.

3 credits.

This course focuses on econometric methods for nonlinear models. Topics covered include maximum likelihood, generalized method of moments, hypothesis and specification testing, time series, qualitative and limited dependent variables, and panel data. The emphasis is placed on understanding the intuition behind the estimation techniques and tests. Students develop their own computer programs to implement the techniques and produce an original piece of applied econometric research.

Theory of International Trade

B30.3384

Prerequisite: B30.3334 or the equivalent.

3 credits.

A survey of the economic analysis of the determinants and effects of international trade and government policies toward trade. Develops both the Ricardian and Heckscher-Ohlin theories of trade, as well as theories of intraindustry trade. Discusses other theories and empirical tests of the determinants of the trade patterns. Presents analysis of the effects of tariffs, quotas, and other government policies toward trade, as well as analysis of distortions arising from market failures.

International Macroeconomics

B30.3386

Prerequisite: B30.3325 or the equivalent.

3 credits.

This course provides a broad overview of modern international macroeconomics and finance examining intertemporal approaches to the determination of the current account and foreign debt accumulation;

theoretical models and empirical evidence on the determinants of nominal and real exchange rates under flexible and sticky prices; asset pricing and portfolio choice in open economies; empirical evidence on the efficiency of the foreign exchange market; international business cycles; models of fixed exchange rates, target zones, and speculative attacks on fixed exchange rate regimes; the role of open economy factors in macroeconomic stabilization; the optimal currency area and policy coordination debate.

Managerial and Organizational Cognition

B55.3380

An interarea course in management, information systems, and economics.

3 credits.

The rapid progress of information technology has had tremendous impact on organizations. Data, analyses, and forecasts that required substantial efforts a decade ago are now at the fingertips of managers. How do these developments affect managerial cognition and decision making? What is the role of managerial cognition in the filtering, interpretation, and sharing of such vast amounts of information? How can firms transform the vast amounts of information into knowledge? How can such knowledge be used for organizational innovation and change?

An interdepartmental student-faculty workshop open to doctoral students and to advanced M.B.A. students with the consent of the instructors. Participants are expected to attend the workshop regularly.

Dissertation Seminar (Economics)

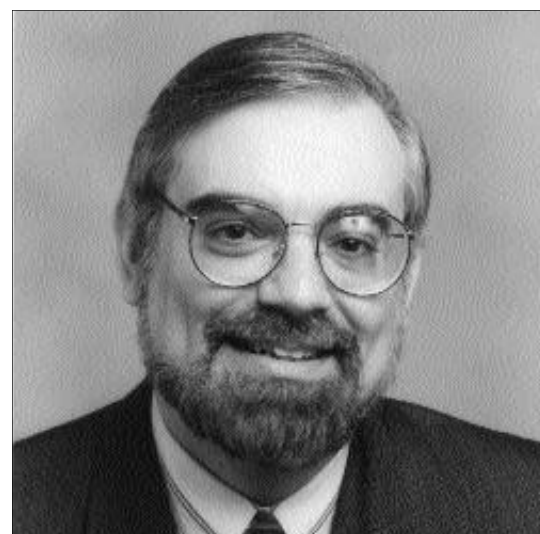
B30.9900

Open only to doctoral students ready to write a dissertation in economics. 9 credits per semester.

Individual meetings with the dissertation adviser and members of the tentative reading committee on the dissertation.

Entrepreneurship and Innovation: A Multidisciplinary Program

Entrepreneurial enterprise has moved to center stage in the global economy. As witnessed by the surge to dominance of new technology companies, including the Internet revolution, entrepreneurial processes have permanently changed the landscape of business. Organizational and technological innovation are now widely viewed as vital to economic growth and renewal in both advanced and developing economies. Business schools, which typically originated in response to industrial society's demand for corporate administrators and traditional bankers, must address this new reality. Stern's program in entrepreneurship and innovation offers a broad menu of courses and cocurricular activities for the Stern student



who wishes to develop an understanding of the entrepreneurial process and the knowledge and skills that are required to be a successful entrepreneur, entrepreneurial manager, or venture capitalist.

The Entrepreneurship and Innovation Area serves as a vehicle for Stern's emphasis on new enterprise development and the innovative activities businesses undertake to increase profitability. The area brings together faculty with interest and expertise in the entrepreneurial functions of organizational behavior, finance, marketing, accounting, economics, operations, strategy, and information systems management.

The Entrepreneurship and Innovation program provides students with the knowledge, skills, and perspectives that will better enable them to capitalize on and manage the rapid changes that have become the one constant in the modern economy. Specific courses develop topics ranging from financing of new ventures to managing growth in embryonic firms, to stimulating innovation in mature organizations. These courses should be of interest to students wishing to start a new venture, build a company into a high growth business, manage a new venture within an existing corporation, or provide services to new ventures.

Students interested in taking a foundational course in entrepreneurship should take the Foundations of Entrepreneurship course. Students wishing to focus their M.B.A. program around entrepreneurship and innovation can take a portfolio of courses that are listed under their respective departments and cross listed here.

In addition to the curricular program, the Berkley Center for Entrepreneurial Studies offers an extensive array of cocurricular activities that provide students with an additional exposure to the entrepreneurial challenge and the opportunity to interact with entrepreneurs, service providers (including venture capitalists, accountants, lawyers, and bankers), and faculty in highly interactive settings.

Area Chairman: Ari Ginsberg

Professors: Yakor Amihud, Patricia Barron, Avijit Ghosh, Ari Ginsberg, Seymour Jones, Joshua Livnat, Robert Shoemaker, George Smith, Roy Smith, Richard Sylla, Lawrence White.

Associate Professors: Michael Darling, Raghu Garud, Al Lieberman, Eli Ofek

Assistant Professors: Fernando Alvarez, Richard Arend, Michelle Gittelman, Michael Lenox, Alexander Ljungqvist, Christopher Tucci, Batia Wiesenfeld

Adjunct Faculty: Zenas Block, Daniel Nathanson, Scott Perlin, Kenneth Preston, Fred Schlissel, Irwin Tantleff

Entrepreneurship Courses

Foundations of Entrepreneurship

B65.3335

Prerequisite: B01.1306. 3 credits.

This course offers a framework for understanding the entrepreneurial process and exposes the student to most problems and issues faced by entrepreneurs who start new businesses. Case study is the principal teaching method, supplemented by lectures, a business planning exercise, and guest speakers. Major objectives are for students to learn how to identify and evaluate market opportunities, develop a business concept and marketing plan, assess and obtain the required resources, and manage the growth of the new venture.

Entrepreneurial Finance

B40.3361

Prerequisite: B01.2311. 3 credits.

This course identifies and follows the wealth creation cycle that begins with company start-ups, passes through successive stages of various kinds of private equity financing, and ends with the harvesting of the created wealth through a sale or merger or initial public offering. Emphasis is placed on how entrepreneurial firms adapt financing and financial contracts to the information asymmetry problems, the high degree of uncertainty, and the conflicts of interest associated with start-ups.

Venture Capital Financing

B40.3173

Prerequisite: B01.2311. 1.5 credits.

This course provides institutional background and detail necessary to deal with the venture capital and new issues markets. Examines basic valuation issues, appropriate capital structure, the value of liquidity, and the value of control. Also considers the intangible aspects of entrepreneurship and venture capital forms of financing.

Accounting, Tax, and Legal Issues for Entrepreneurs

B10.3360

3 credits.

The course offers students an opportunity to be exposed to the actual accounting, tax, and legal issues confronted by entrepreneurs. This is particularly useful for students who intend to start their own business and those

who either wish to be part of the management of entrepreneurial businesses or who intend to incubate new businesses within the structure of major corporations. Topics covered include developing financial projections and forecasts, choosing tax strategies, managing accounting systems and personnel, measuring business performance, and buying a business.

Corporate Venturing

B65.2130

1.5 credits.

Corporate venturing is a process that generates and exploits new technologies, products, or businesses under the organizational umbrella of an established firm. This course seeks to provide an understanding of this process and the knowledge and skills that are required to manage organizations so that innovations and new businesses are generated and growth is sustained. The course should be of interest to those who wish to work as a member of a corporate venture team, as the general manager of a corporate venture, or as a member of senior management overseeing the venture within the corporation.

New Business Planning Practicum

B65.2326

Prerequisite: B01.1302. 3 credits.

This practical applications course is designed to facilitate the start-up process of a new venture. The students learn by working in small team partnerships to develop a business plan and start-up scenario for their own new business concept. Class sessions, readings, invited experts, and meetings with the instructor are used to provide guidance and evaluation as each team's plan develops through designated milestones. Applicants must submit a one-page short form identifying their new business concept, and indicating its feasibility by briefly outlining the "need" for the product/service; its unique selling benefit or value; market(s) to be served; and the perceived strategy, along with the core competencies required for competitive advantage. Students who wish to enroll in this course should have taken Foundations of Entrepreneurship and have a new business concept they wish to develop.

Managing Growing Companies

B65.2327

Prerequisites: all required core courses.

3 credits.

This course exposes students to the unique challenges of managing the growth of small businesses. Designed for students who are interested in understanding the opportunities and problems involved in the start-up, management, or operation of their own business. In addition, the course is also designed for students who are considering employment in a smaller firm. The differences between small firms and large organizations management needs, practices, and financial resources are examined.

Family Business Management

B65.2328

3 credits.

The course is directed to students who will enter into the management of family businesses, either their own family's or someone else's, and students who will do business with family firms or consult to them. The focus is on small and mid-size firms in the \$10-\$250 million annual revenue ranges. Explores the managerial, strategic, and behavioral complexities found in family-owned and -managed companies, including entrepreneurial behavior of founders and entrepreneurship requirements of successor generations. Through case studies and guest speakers we consider questions of ownership, succession, sibling rivalry, attracting and retaining nonfamily talent, and estate planning.

Business Incubation Practicum

B65.3333

3 credits.

Business incubation is a dynamic process of new business development that helps young start-ups to survive and grow by providing hands-on management assistance, access to financing, and coordinated exposure to critical support services. This course provides students with opportunities to learn through business incubation fieldwork how successful new ventures are created and developed. Operating within the rubric of a virtual incubator, students work in small teams together with developers of innovative technologies and new business concepts. Supervision and evaluation of team performance will be conducted by Stern faculty and experienced

entrepreneurs. Applicants must submit an essay that summarizes their motivation for participating in a business incubation process and in a particular type of technology commercialization project.

Economic and Business History of the United States

B30.2330

Prerequisites: B01.1303 and B02.2303.

3 credits.

This course examines the historical development of American enterprise since the beginnings of the industrial revolution. Focusing on the entrepreneurial forces that shaped the rise and evolution of the modern economy and business system, it takes into account business strategy and structure, finance, management, labor organization, technology, transportation, communications, and public policy. Interlacing the course is a fundamental examination of the broader economic, cultural, and political constraints within which American enterprise has been shaped. The goals are to impart a long-term perspective from which contemporary business can be understood and to introduce students to historical ways of thinking about economic development.

Entrepreneurial Leadership: Patterns and Processes

B30.2305

3 credits.

Entrepreneurship is the introduction of significant change into economic life. This course examines the manifold aspects of entrepreneurship and its impacts on economic development, primarily through the close examination of biographies of representative "actors" to illuminate our understanding of some basic economic and historical theories about entrepreneurship. The course addresses such questions as the following: What is the relationship between entrepreneurial undertakings, on the one hand, and culture and institutions, on the other? How can society and its organizations enhance entrepreneurship? Are there typical problems that every entrepreneur must confront and solve to be successful? Can we discern common personality traits or behavioral attributes among the various entrepreneurs in our study?

Global Perspectives on the History of Enterprise

B30.2338

3 credits.

This course compares the rise and evolution of modern corporate enterprise across nations. It considers the social and economic contexts for and the patterns of creation, growth, and change in industrial organization from the "first industrial revolution" to the present day. A major goal is to help students understand how and why different societies have achieved competitive advantages in domestic markets and global trade at different times. To that end, the course examines the effects of culture, technology, finance, and government on the economies of England, Germany, Japan, the United States, and the East Asian "tigers," as well as newly developing and lagging economies around the world.

Technological Innovation and New Product Development

B65.3356

3 credits.

This course offers perspectives and frameworks that seek to understand technological innovation and new product development at different levels of analysis, including the firm, industry, and national levels. Addresses issues pertaining to the discovery, development, and diffusion of technological advances. For example, it attempts to understand the innovation process in both start-up and established firms, and when established firms have an easier (or more difficult) time bringing a new product to market and appropriating profits from it. Provides frameworks for assessing new technological and business opportunities. Students are expected to analyze and evaluate technological opportunities using the frameworks and techniques presented in the course.

Managing Change

B65.2353

Prerequisites: all required core courses.

3 credits.

Contemporary business environments contain challenges that demand an increasing pace, volume, and complexity of organizational changes. Most organizations, whether they are entrepreneurial start-ups or long-established Fortune 500 firms, find that they

must change or wither. This course is geared toward deepening students' understanding of the challenges, the techniques, and the burdens associated with initiating and implementing major change in an organization. The objective is to prepare managers, or their consultants and advisers, to meet the challenges of organizational change successfully. As such, the course is especially useful for students who plan careers in management consulting, general management (whether in line or staff positions), and entrepreneurship or corporate venturing.

Brand Planning for New and Existing Products

B70.2365

Prerequisite: B01.2310 or equivalent.

3 credits.

This course is designed to be of immediate practical value to students interested in brand management of new and existing products. Focuses on the application of marketing concepts, principles, and tools to the development of operating brand plans. Covers the collection, analysis, and interpretation of information required to assess market opportunity and competitive threat in a product category, and development of marketing objectives, strategies, and tactical action programs using that information. Particular emphasis is placed on issues of importance to new product planning, such as concept generation and screening, perceptual mapping, preference analysis, product testing and test marketing, and risk assessment.

Marketing High-Tech Products

B70.2390

Prerequisite: B01.2310 or equivalent.

3 credits.

Increasingly markets are affected by technology. Often, these markets are very dynamic and are characterized by uncertainty. These challenging environments require a new mind-set from managers. This course focuses on the decision problems faced by managers in creating, developing, and commercializing and managing technology-based products. The objective is to provide the conceptual frameworks and analytical tools required for managing fast-paced technology business. Uses a combination of texts, articles, lectures, discussions, and cases.

Electronic Commerce

B20.3338

Corequisite: B01.2119. 3 credits.

The Internet and the emerging “information superhighway” are dramatically altering the way we transact goods and services. This course examines how new information technologies and networks will affect the exchange of goods and services between buyers and sellers in the twenty-first century. How will advertising, purchasing, customer service, and trade settlement processes change? What are the economics of different electronic commerce models for these processes? The course evaluates key corporate strategies and initiatives in electronic commerce and the enabling network and user interface technologies that will redefine business, as we know it. These technologies include the Internet, interactive television, virtual reality, digital cash, etc. The course considers the economics of electronic commerce and the costs of organizing and implementing different models of electronic trading.

The Business of Producing: Entrepreneurship in Entertainment and Media

B70.2116

Prerequisite: B01.2310 or equivalent.

1.5 credits.

The course is designed to provide students with a framework for understanding the dynamics of producing a finished creative product in the entertainment and media industries. Covers the process of feature production from the initial concept of the story, through script development to completion of

the project. Explores all the facets of the production process, including script selection, finance, budgeting, timetable development, team building, talent selection, contract and union negotiation, regulation, and technology. Guest speakers include producers on independent movies, network TV, cable, syndicated TV, radio, and TV commercials.

Advanced Internet Marketing and Entrepreneurship

B70.2325

Prerequisite: B01.2310 or equivalent.

3 credits.

This course examines key elements of advanced Internet marketing and entrepreneurship. Classes are comprised of lectures, presentations, and critiques of individual student projects and experiential real-time assignments. Topics covered include business models and game theory; business plans and presentations; direct marketing and copywriting; and selling and negotiation.

Telecommunications Economics and Digital Convergence

B30.2345

3 credits.

This course analyzes the economics of telecommunications and related services, including cable television. We study the evolution of the telecommunications industry paying special attention to the crucial antitrust intervention that resulted in the 1984 breakup of AT&T and to the reform attempted by the Telecommunications Act of 1996. We study in depth the economics of

monopoly and oligopoly as applied to network industries, and, in particular, to telecommunications markets. We apply this knowledge to the analysis of traditional telecommunications markets, including long distance, local, and international; “new” telecommunications markets including cellular and PCS; and “emerging” telecommunications and electronic commerce markets based on the Internet. We analyze the current wave of mergers and consolidation in the industry from the perspective of “digital convergence” and predict the framework and direction of industry change.

Field Studies in the New Economy

B70.3330/B20.3330

Prerequisite: B01.2310 or equivalent.

3 credits.

This course offers a first-hand examination of the new “electronic” economy by taking advantage of the Stern School’s unique location in the middle of the Silicon Alley. Students participating in this course (1) acquire an understanding of the changing supplier/customer deliverables and relationships evolving in the new economy; (2) identify the changing issues faced by companies operating in this environment; (3) learn how customers operating in this environment are coping with these rapidly evolving changes; and (4) develop a framework for identifying success factors for these companies, along with comparisons to factors found elsewhere in the economy.

Cocurricular Activities

Entrepreneurial Training Retreat

provides an interactive learning atmosphere away from campus in which the participants share venture ideas among themselves as well as with faculty, recent alumni, service providers, and entrepreneurs. The retreat provides an extraordinary educational and feedback opportunity for students operating their own businesses or planning to start them.

Entrepreneur-in-Residence brings a distinguished entrepreneur on campus four days a month to meet individually with students who need advice on starting or grow-

ing their own business. This program gives Stern students an opportunity to get focused feedback and guidance through direct interaction with a seasoned entrepreneur.

The Entrepreneurship Lunch and Learn Program is sponsored by Berkley Center for Entrepreneurial Studies in conjunction with TANG, Entrepreneurs’ Exchange (EE), and Entrepreneurial Exchange Group.

• **The Better-Than-Brown Bag Entrepreneurship Lunch** brings students and faculty together with entrepreneurs from a diverse set of industries, venture

capitalist, Internet, etc., from the New York business community and selected service providers to discuss new venture creation and management.

• **The Business Launch Lunch Series** discusses the different steps of starting a business and growing a small business. Speakers and topics varied. All sessions were open to EE members only.

• **The Dotcom Entrepreneurs Lunch Series** brings small groups of Stern graduate students into intimate discussions with senior executives from today’s hottest Internet companies.

Venture Capital Conference provides students and entrepreneurs the chance to hear case studies from entrepreneurs who have raised money and serves as a forum in which students, academics, entrepreneurs, and members of the venture capital community can interact. The goal of the venture capital conference is to educate students and entrepreneurs on venture capital funding opportunities. Additionally, it provides attendees with the opportunity to interact with their peers and potential employers.

Business Plan Development Series enables students to learn how to assess a business idea, get feedback on the idea, and receive guidance toward an effective business

plan. Students with a new business idea, students who want to start a new venture, or those with an entrepreneurial activity underway are encouraged to attend. The three sessions are scheduled for the spring semester; the retreat is held at the end of August. This series of three general sessions at Stern plus an off-site retreat for business ideas with the most potential is a new program sponsored by the Berkley Center for Entrepreneurial Studies.

The Stern 50K Plus Business Plan Competition promotes the business launch aspirations of entrepreneurial Stern students. It brings together students and ideas for the purpose of commercial

exploitation. Nationally renowned venture capitalists, angels, and entrepreneurs attend and evaluate business ideas and award more than 50K in prize money.

New York University's All-University Conference on Entrepreneurship provides people of all disciplines to have access to high quality sources of ideas and information that might not have been accessible to them. The conference is presented in association with the Berkley Center for Entrepreneurial Studies, the deans of eleven schools within NYU, the Entrepreneurial Exchange Group, the Stern Student Council, and the NYU Alumni Association.



Finance

The Department of Finance curriculum provides an understanding of the finance decision-making process and offers insight into how financial markets function. The department provides part of the necessary education for students seeking finance positions in industry, in financial institutions, or in government or nonprofit institutions.

Courses in finance are divided into two broad categories. One category focuses on microfinance issues—corporation finance and investments. The second category focuses on macrofinance issues—financial markets and the international financial system. All finance courses apply economic analysis, accounting, and quantitative methods to the financial problems encountered.

The Department of Finance faculty is the largest and one of the most distinguished finance faculty groups in the world. Members of our faculty are leaders in research and in textbook publication in their fields.

We hold as our mission the great tradition started by the founders of New York University: to have a department that is recognized both nationally and internationally as a leader in scholarship, and to transmit that scholarship in a professional way to students and those in industry with whom we work.

We have faculty members who have won teaching awards on every continent. Some of our faculty serve as government advisers, consultants to firms and government agencies, journal editors, trustees, and directors of corporate and nonprofit firms. Our size (and the corresponding size and diversity of our

student body) permits us to offer a broader spectrum of courses than is usually available to students at other institutions.

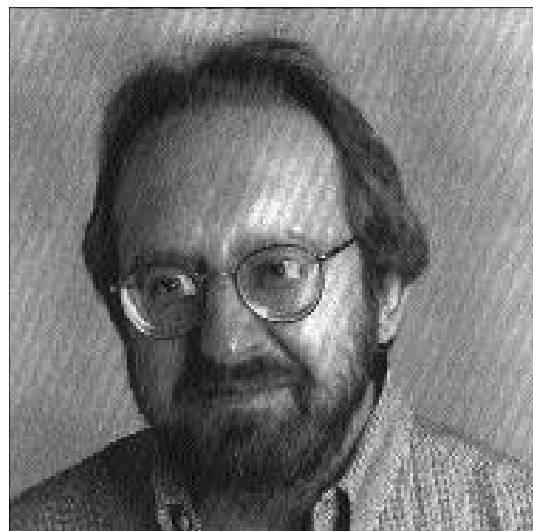
Chairman: Anthony Saunders

Deputy Chairman: Michael Keenan

Professors: William Allen, Edward Altman, Yakov Amihud, Menachem Brenner, Stephen Brown, Aswath Damodaran, Edwin Elton, Robert Engle, Stephen Figlewski, Martin Gruber, Joel Hasbrouck, Kose John, Robert Kavesch, Michael Keenan, Richard Levich, Rita Maldonado-Bear, Fred Renwick, Matthew Richardson, Anthony Saunders, William Silber, Roy Smith, Marti Subrahmanyam, Ingo Walter

Associate Professors: Jacob Boudoukh, Jarl Kallberg, Crocker Liu, Jianping Mei, Eli Ofek, Rangarajan Sundaram, Robert Whitelaw, David Yermack

Assistant Professors: Heitor Almeida, Jennifer Carpenter, Matthew Clayton, Qiang Dai, Zsuzsanna Fluck, Jay Hartzell, Alexander Ljungqvist, Anthony Lynch, Joshua Rosenberg, Gideon Saar, Alex Shapiro, Jessica Wachter



Instructors: George Comer, Olga Filipenko, Charu Raheja

Adjunct Faculty: Howard Baker, Jeffrey Barclay, Larry Bear, Roberts Brokaw, Allan Brown, William Brown, David Ellner, Kenneth Froewiss, Brian Gendreau, Ian Giddy, Peter Goodson, Robert Gordon, Max Holmes, Frank Jones, Sidney Key, Harry Krensky, Richard Levine, William Margrabe, Arjun Mathrani, Charles McGill, Roger Mesznik, Frederick Militello, Charles Murphy, Kenneth Parkinson, Scot Perlin, Paul Pilzer, Harvey Poniachek, Avri Ravid, Arthur Rebell, Arthur Rosenbloom, Gerald Rosenfeld, Martin Siegel, Tad Smith, William Sonnenreich, Robert Stovall, Frank Sullivan, Kishore Tandon, Vinh Tran, Irwin Vanderhoff, Ashok Vora, Jacob Worenklein, Arthur Zeikel, Lawrence Ziklin

Department Office: KMC, 44 West Fourth Street, Suite 9-190

Web site for new courses, seminar schedules, and other information:
www.stern.nyu.edu/fin

The Finance Core Course

The Department of Finance core course for M.B.A. students is Foundations of Finance. This course provides the necessary theoretical foundation for most of the other courses in finance and introduces students to the broad spectrum of financial markets and instruments that are the tools for modern

financial management. Foundations of Finance is a prerequisite for all other finance courses.

Foundations of Finance

B01.2311

Prerequisites: B01.1306, B01.1303,

and B01.1305. Note that B01.2311 is a prerequisite for other finance courses. 3 credits. Fall and spring.

A rigorous quantitative course introducing students to the structure of markets and the valuation of financial assets—including stocks, bonds, futures, forwards, options, and

swaps. Principles of modern portfolio theory are developed to explain the concepts of risk-adjusted returns, beta risk measures, and efficient portfolio selection within a mean-variance framework. Fixed income analytics, including yield-to-maturity, duration, and forward rates are applied to topics

like the analysis of yield curves and bond arbitrage opportunities. Options and futures contracts are valued within the framework of arbitrage models. Illustrations in the course are drawn from both domestic and international financial markets. Although this is an introductory course, students are expected by

the end of the course to understand the underlying analytical framework for modern finance as well as knowing how to apply basic valuation formulas to standard financial instruments.

Nonmajors in Finance

Those students who are not finance majors, or who are undecided about their major, may want to consider the following courses as electives that develop some of the key issues of the core course without becoming too specialized: Corporate Finance, B40.2302—this course (which is also strongly recommended for finance majors) introduces students to most of the major

issues in corporate financial management; Equity Instruments and Markets, B40.3331—a traditional course in equity analysis and selection useful for both professionals and individuals in personal portfolio management; International Financial Management, B40.3388—a course that develops the key concepts associated with international financial decisions. There are

also several professional half-course electives offered each semester by distinguished adjunct faculty that may be of interest. Since the courses vary depending on the availability of these adjunct professionals, check the registration packets for each semester's offerings.

Majors in Finance

Finance majors must take four finance courses (12 credits) beyond the core course. Students may elect to take fifth and sixth courses in finance if they so desire. Majors may select their four courses from the portfolio of Department of Finance courses offered each semester.

Although it is not a requirement, we strongly urge all finance majors to take Corporate Finance, B40.2302. It is a necessary course for many types of work in finance, and we believe that it is one of the best corporate finance courses currently being offered in business schools around the country.

For students seeking advice on how to select their major courses we offer the following suggestions. First, remember that you are in an M.B.A. program and not a specialized degree program in finance. Think broadly and consider courses where you will not be receiving parallel training in your firm's own educational programs over the next five years. Second, note that we have tried to organize the courses below according to four general themes: (1) corporate finance courses, (2) financial instruments and markets courses, (3) international finance courses, and (4) advanced theory

and Ph.D. finance courses. For a broader perspective, sample from among some of the groups; for a more focused set of courses, consider selecting within a group.

Each semester we also offer a few sections designated as "Q" courses. A student who selects a Q section should have a strong quantitative background. This could have been obtained by formal training in mathematics through calculus, or by a combination of training in mathematics and a college major in engineering or science.

Outside Electives for M.B.A. Finance Majors

With respect to electives for finance majors outside the Department of Finance, it would be useful to remember that the fields most closely related to finance, and on which finance draws for its methods and techniques, are economics and quantitative analysis. For its "applications," finance draws on accounting, information systems, marketing, and corporate strategy frames of reference. Below, we list some current outside electives that have more than normal finance content. But as managers, you may want to consider the full range of the school's electives available to you. The good news is that education does not stop with this particular degree. You will have the opportunity to take many of these courses in future years and future programs as your career evolves.

We have placed in this section a list of some of the current other department elec-

tives that have more than normal finance content. Some finance major students may want to consider these courses when selecting nonmajor electives.

Economic and Financial Forecasting

B30.2361

Financial History

B30.2392

Financial Information Systems

B20.3350

An Integrated Approach to Financial Statement Analysis

B10.2303

International Financial Statement Analysis

B10.3335

Current Economic and Financial Problems: Analyses, Philosophies, and Forecasts

B30.2342

Applied Stochastic Processes for Financial Models

B90.2308

Management Communication (with an emphasis in Finance)

B45.2300

Courses in Finance

In each group, full-semester 3-credit courses are listed first, followed by half-semester 1.5-credit courses.

CORPORATE FINANCE

Corporate Finance

B40.2302

Prerequisite: B01.2311. 3 credits. Fall and spring.

This course presents the theory and practice of corporate finance. Topics include concepts of corporate valuation; financial statement analysis and forecasting; the evaluation of capital investments under differing assumptions about risks and the state of the world; the financing choice for capital projects; the effects of debt, equity, and derivative financial instruments on the value of the firm; dividend policy and other stakeholder forms of payment; corporate restructuring, bankruptcy, and merger; issues in corporate control and compensation.

Entrepreneurial Finance

B40.3361

Prerequisite: B01.2311. 3 credits. Fall and spring.

This course identifies and follows the wealth creation cycle that begins with company start-ups, passes through successive stages of various kinds of private equity financing, and ends with the harvesting of the created wealth through a sale or merger or initial public offering. Emphasis is placed on how entrepreneurial firms adapt financing and financial contracts to the information asymmetry problems, the high degree of uncertainty, and the conflicts of interest associated with start-ups.

FinDotCom

B40.3342

Prerequisite: B01.2311. 3 credits. Fall.

This course integrates both an academic and a practitioner view of financial analysis for new economy companies. Lectures alternate between two general notions: corporate finance for the new economy and the Internet company from idea to IPO. Topics covered include valuation of new economy firms compared to old economy businesses, the financing of the new economy, IPO strategies for dot firms, and the role mergers and acquisitions should play in the new economy. Faculty lectures are coupled with lectures by outside speakers who are leaders in new economy and Internet businesses.

Investment Banking

B40.2334

Prerequisite: B01.2311. 3 credits. Fall and spring.

A broad overview of the role of investment banking in modern societies. What functions are performed; how are these tasks carried out in competitive and noncompetitive environments. Concepts such as origination, syndication, distribution of security issues. Pricing of new issues and the management of issues in the after markets. The role of investment bankers in restructuring industry, financing governments, and facilitating saving and investment. Ethical issues investment bankers must face are considered.

Law and Business of Investment Banking

B40.3345

Prerequisite: B01.2311; for second year M.B.A. and School of Law students. 3 credits. Spring.

This course focuses on the legal and financial aspects of three of the most commonly encountered forms of transactions in which investment bankers and lawyers guide client interests: (1) the pricing, due diligence practices, negotiation, and documentation of merger agreement or acquisition transactions; (2) the legal and financial issues associated with initial public offerings; (3) issues associated with the private placement of securities. Legal and financial issues are given equal attention.

Managing Financial Businesses

B55.2310

Prerequisite: core courses. 3 credits. Spring. For second-year students; may be counted as a finance or nonfinance elective.

This course looks at the management of financial service organizations during periods of rapid regulatory, cultural, and technical change. The focus is on issues as perceived by top executives. Particular industries and firms are selected for case study exploration. Three main themes are examined: strategy and its execution, managing culture, and managing technology. Classes are a combination of lectures, case studies, and outside speakers.

Restructuring Firms and Industries

B40.2304

Prerequisite: B01.2311. 3 credits. Fall and spring.

This course presents a comprehensive analysis of asset and liability restructuring. Topics include industrial organization economics; mergers and acquisitions; divestitures; corporate recapitalization; bankruptcy and reorganization in and out of court workouts; legal, political, and tax impacts on industries; multinational competition. Agency theory issues and corporate governance are also considered.

Working Capital Management

B40.3325

Prerequisite: B01.2311. 3 credits. Fall and spring.

Acquaints students with the modern techniques and practices of short-term corporate finance. The primary focus is on the management of the firm's liquid assets: cash and securities, accounts receivable, and inventories. The importance of good forecasting technique and comprehensive information systems is discussed. Cases and examples illustrate the variety of short-term financing sources and the complications on multinational working capital flows.

Bankruptcy and Reorganization

B40.3198

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Practical and theoretical implications of bankruptcy and distressed restructuring. Focus is primarily on corporate form organizations ranging from banks to retail firms to manufacturers. Topics include valuation effects of bankruptcy; workout strategies; the bankruptcy-reorganization process from the viewpoint of different participants; the implications of bankruptcy for banks, workers, and state and national industrial policy.

Cases in Corporate Finance

B40.3161

Prerequisite: B01.2311 and B40.2302. 1.5 credits. Spring.

This course covers advanced material in corporate finance as the topics are revealed to students in various case studies. Class sessions consist primarily of case presentations and discussions, with occasional lectures on background theoretical material. Topics include valuation issues, mergers and acquisitions, corporate restructuring, financing strategies, and bankruptcy avoidance.

Corporate Finance in EMT Firms

B40.3125

Prerequisite: B01.2311. 1.5 credits. Fall.

The chief financial officers of firms in the entertainment, media, and technology (EMT) industries face many of the challenges that would be encountered in more traditional industries. But often in EMT the risks are different and the way standard finance tools are applied is different. This course explores these unique aspects from the perspective of a corporate finance officer in such a company. Topics include raising capital, project selection, forecasting earnings, contracting, and external valuation of firms. Combines lectures with outside industry speakers and case studies.

Entertainment Finance

B40.3140

Prerequisite: B01.2311. 1.5 credits. Fall.

A course designed to demonstrate how the basic principles of finance can be applied to the entertainment industry. The course explores how creative projects such as movies, plays, or music productions can be financed and evaluated. Topics include entertainment industry special characteristics related to incentive contracts and to complex revenue/profit sharing agreements. Cases and class discussion also look at how entertainment companies interact with the financial markets, and how novel financing arrangements such as the securitization of receipts are changing the industry.

Legal Risk Issues in Mergers and Acquisitions

B40.3197

Prerequisite: B01.2311. 1.5 credits.

Spring.

This course is designed to equip M.B.A. students with basic knowledge necessary to evaluate advice received respecting various kinds of legal risks in mergers and acquisitions. Topics include acquisition motivations; corporate law basics on alternative legal structures for acquisitions (with tax implications); the legal roles of the board, management, and shareholders in M&A transactions; documentation issues (including secrecy requirements); negotiating strategies including poison pills, fiduciary outs, and deal protection provisions; pooling and purchase accounting issues; securities law regulation, and federal and state regulatory roles related to antitrust issues.

Mergers and Acquisitions

B40.3196

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Examines selected topics in mergers and acquisitions from the viewpoint of finance. Basic theory and empirical findings form the base for discussing such issues as merger strategy; defensive measures in merger; the valuation of firms as a whole under differing management strategies; impact of financing considerations on various stakeholders.

Topics in Corporate Finance

B40.3160

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Topics vary from semester to semester; check registration packets and department bulletin boards for current offerings. Advanced topics of current interest are offered that illustrate current theory and empirical findings in actual case settings. Topics might focus on such issues as corporate control, initial public offerings, investment banking, managerial compensation, pension and health planning, share repurchase, ethical issues in finance. Students may only elect this course once in their degree program.

Venture Capital Financing

B40.3173

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Provides institutional background and detail necessary to deal with the venture capital and new issues markets. Examines basic valuation issues, appropriate capital structure, the value of liquidity, the value of control. Also considers the intangible aspects of entrepreneurship and venture capital forms of financing.

FINANCIAL INSTRUMENTS AND MARKETS

Advanced Portfolio Analysis

B40.3332

Prerequisite: B01.2311. 3 credits. Fall or spring.

Builds on the conceptual foundations of the portfolio material introduced in Foundations of Finance. Course focuses on methods of constructing and evaluating portfolios in a variety of settings. Topics include complex portfolio objectives, alternative implementation strategies, measure-

ment of portfolio performance, the role of computers and asset allocation schemes in risk management, and the macromarket impacts of portfolio strategies.

Debt Instruments and Markets

B40.3333

Prerequisite: B01.2311. 3 credits. Fall and spring.

Covers the valuation of fixed income securities and investment strategies utilizing them. Topics include the mathematics of bond valuation, immunization, history of interest rate structures, varieties of debt instruments, default, and country risk considerations. The role of financial futures and options on bond portfolio strategies is analyzed, as well as more traditional approaches to debt portfolio strategies.

Equity Instruments and Markets

B40.3331

Prerequisite: B01.2311. 3 credits. Fall and spring.

Covers the valuation of equity securities and investment strategies utilizing them. Topics include the mathematics of equity valuation, history of stock returns, varieties of equity instruments, the many varieties of common stock risk. Reviews professional portfolio strategies and forecasting techniques; the evaluation of mutual funds and pension funds; the role of equity options and futures in stock portfolio strategies; the role of technical analysis; ethical issues in developing and using information that impacts stock prices.

Equity Markets: Trading and Structure

B40.3349

Prerequisite: B01.2311. 3 credits. Spring.

This course takes a comprehensive overview look at how markets are organized and how trading occurs. The course establishes a framework for understanding how existing markets are set up, how trading occurs in them, and how these markets evolve over time. While the course concentrates on securities markets and trading practices, most of the principles developed are also applicable to other kinds of markets—markets for products, service, and information. Course requirements include some limited computerized trading simulations and a course paper related to some aspect of a new trading market.

Futures and Options

B40.3335

Prerequisite: B01.2311. 3 credits. Fall and spring.

Covers derivative securities and markets. The primary focus is on financial futures and options, but there is also reference to the extensive markets in commodity market instruments. Topics include market institutions and trading practices, valuation models, hedging and risk management techniques, the application of contingent claims analysis to contracts with option-type characteristics. The material is inherently more quantitative than in some other courses.

Investment Philosophies in Real Estate

B40.2341

Prerequisites: B01.2311 and B40.2339. 3 credits. Spring.

A course designed to expose students to a wide range of investment philosophies in the special context of real estate investing. Each week leading professionals or academics speak on a particular approach to real estate investing, how it is put into practice, and the extent to which it is successful.

Managing Investment Funds

B55.3320

Prerequisite: B01.2311. 3 credits. Fall and spring.

Formal application required; may be counted as a finance or nonfinance elective.

This course is the administrative vehicle for operating the Michael Price Student Investment Fund (MPSIF). This is a real two million dollar endowment fund that is managed by students. Students serve as portfolio managers in one of the subfunds. Each participant must be prepared to take on more than one role in this activity—research analyst, trader, portfolio manager, market strategist and economist, compliance officer, public relations manager, accountant, and the other activities that real funds must undertake. There are occasional lectures from faculty or outside speakers on special topics of interest, but the primary activity is the management of these endowment funds. This showcase opportunity is available to a limited number of students each year. Formal application is required (see the fund Web site for details at www.stern.nyu.edu/~mpsi). Students

participate over a two-semester period for the 3 credits.

Mortgage Backed Securities

B40.2340

Prerequisites: B01.2311 and B40.2339. 3 credits. Fall or spring.

This course is designed to introduce students to mortgage-backed securities, primarily as an important application of fixed income theory. Mortgages are explored with respect to differences in their cash flows, prepayment, and default probabilities. The dynamics of mortgage prepayments and pricing of embedded call options in a mortgage are discussed, followed by real-world applications using spreadsheets to create and value mortgage derivatives using such techniques as option adjusted spreads. Among the mortgage derivatives explored are mortgage pass throughs, interest only and principal only strips, floaters and inverse floaters, and various types of collateralized mortgage obligations.

Policy-Making in Financial Institutions

B40.3312

Prerequisite: B01.2311. 3 credits. Fall or spring.

Analyzes the financial management of financial institutions. Focus is primarily on asset/liability management of bank-type institutions. Issues include regulatory constraints; credit risk management; liquidity and interest rate considerations; securitization; financing on or off balance sheet activities. Macro issues related to financial system stability, information flows, and regulatory capital requirements and guarantees are also considered.

Real Estate Finance

B40.2339

Prerequisite: B01.2311. 3 credits. Fall and spring.

This course is designed for students who have little or no prior knowledge of real estate. Different aspects of real estate analysis are covered, including finance, taxation, appraisal, investment analysis, development, and property management. A central focus of the course is on the risk and return elements in commercial real estate financing and on how to modify the principles of corporate finance and investment theory to fit the specialized needs of real estate analysis.

Topics include liquidity problems, buyer or seller informational asymmetries, and interrelatedness of financing and investment decisions. The growing role of international considerations, the importance of securitized instruments, and the changing roles of brokers are considered.

Applications of Portfolio Analysis

B40.3181

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Advanced professional strategies for managing portfolios and evaluating financial instruments. Topics range from arbitrage trading strategies to contrarian investing to issues in public pension fund management. Taught by leading Wall Street professionals and senior faculty members.

Investment Philosophies

B40.3124

Prerequisite: B01.2311. 1.5 credits. Spring.

A course designed to expose students to a wide range of investment philosophies. Each week leading professionals or academics speak on a particular philosophy, how it is put into practice, and what determines ultimate success. The intent is to provide an unbiased forum for the presentation of different investment styles, while supplying tools and empirical evidence to enable students to make their own judgments about the relative value of these various philosophies.

Investment Strategies

B40.3122

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Subjective approach to security analysis. Topics include industry selection, market timing, interpretation of market history and cycles. Illustrations range from applications of the Dow theory to interest rate analysis to contrary opinion theories. Goal is to blend current market, political, and economic factors in with standard firm financial data to make better investment decisions.

Risk Planning and Insurance

B40.3113

Prerequisite: B01.2311. 1.5 credits. Fall or spring.

This course looks broadly at how firms and

individuals should evaluate risk and manage their insurance programs. Topics may range from the organization of insurance risks to asset and liability risk management to personal financial planning. Illustrations are drawn from examples in business and personal use of insurance; from tax and accounting considerations; and from changing regulatory pressures on insurance firms.

Topics in Investments

B40.3176

Prerequisite: B01.2311. 1.5 credits. Fall and spring.

Topics vary from semester to semester; check registration packets and department bulletin boards for current offerings. Topics cover professional issues in the design and use of financial instruments or in developing financial markets. Recent offerings have ranged from applying arbitrage strategies to high-technology investing, to investing for pension funds, to municipal securities markets. Students may only elect this course once in their degree program.

Topics in Real Estate Finance

B40.3177

Prerequisite: B01.2311. 1.5 credits. Fall or spring.

Topics vary from semester to semester; check registration packets and department bulletin boards for current offerings. Covers topical issues in real estate finance ranging from mortgage-backed securities, to regional planning factors in commercial real estate development, to innovations in syndicating development activities. Students may only elect this course once in their degree program.

INTERNATIONAL FINANCE

Emerging Financial Markets

B40.3384

Prerequisite: B01.2311. 3 credits. Fall or spring.

The perspective in this course is that of an investment manager who may be responsible for investment portfolios at a bank, an insurance company, a pension or endowment fund or personal trust, a mutual fund. Emerging financial markets around the world are examined. Problems considered include political risk, currency risk, excess speculation or market manipulation, differing accounting rules and standards, and performance measure comparison standards.

Financial investments considered range from stocks to bonds to derivatives to real estate. Class discussion and reading focus on both the theoretical background and the practical knowledge necessary to deal effectively with the risks and opportunities that are a part of emerging financial markets.

Global Banking and Capital Markets

B40.3387

Prerequisite: B01.2311. 3 credits. Fall and spring.

Analysis of the competitive performance and strategic positioning of financial institutions in multinational capital markets. Market segmentation theories are applied to markets for syndicated lending, trade finance, project financing. Considers international aspects of raising capital in multinational, multiregulatory settings. Examples may include mergers and acquisitions, joint venture capital projects, and government or private partnership projects.

International Financial Management

B40.3388

Prerequisite: B01.2311. 3 credits. Fall and spring.

Analysis of key international financial markets including discussion of pricing, efficiency, and institutional features of these markets. Markets covered may include foreign exchange markets, currency futures, options and swaps, and Eurocurrency and Eurobond markets. Focus is on techniques for evaluating multinational risks and return shifting factors such as international tax codes, and applying such concepts to the financial management of currency, capital, and capital projects.

International Fixed Income

B40.3380

Prerequisite: B01.2311. 3 credits. Fall or spring.

This course describes major international fixed income securities and their markets, and develops tools for valuing these securities and managing interest rate and exchange rate risks. The course includes a number of special topics including such issues as theoretical and empirical relationships among term structures for several world sectors; asset allocation strategies in the international fixed income arena; the

use and valuation of international-based derivatives such as interest rate futures, currency swaps, and exotics; and analysis of emerging market debt.

International Investments Analysis

B40.3103

Prerequisite: B01.2311. 1.5 credits. Spring.

Focus is on fundamental and technical security analysis applied to foreign security markets. Topics include the structure and operation of foreign stock markets, accounting/information constraints in evaluating foreign securities, and the impact of multinational flows on market liquidity. Portfolio management practices and constraints in various countries are examined and evaluated against free market strategies.

International Treasury Management

B40.3150

Prerequisite: B01.2311. 1.5 credits. Fall. Not open to students who have taken B40.3350.

Emphasizes the professional operating aspects of managing the treasury function of international corporations and banks. Topics include short-term asset and liability management given interest rate and exchange rate volatility, and the mechanics and instruments of the international treasury function.

International Treasury Risk Management

B40.3152

Prerequisites: B40.3150 and B01.2311. 1.5 credits. Spring.

Analyzes the risks and returns in international treasury operations. Topics include price risk and return, various kinds of credit risks, and liquidity risk. The strategies of liability diversification and asset securitization in international settings are considered. The multicultural aspects of ethical issues for firms and individuals are also discussed.

Topics in International Finance

B40.3188

Prerequisite: B01.2311. 1.5 credits. Fall or spring.

Topics vary from semester to semester; check registration packets and department bulletin boards for current offerings. Covers topical

issues in international finance. Issues may vary from the development of financial institutions in Eastern European economies, to the impact of technology on multinational capital flows, to the movements of secret money around the world. Students may only elect this course once in their degree program.

ADVANCED THEORY AND PH.D. FINANCE COURSES

Financial Theory I

B40.2331

Prerequisites: permission of the departmental Ph.D. program adviser. 3 credits. Fall.

The first course in the theory of financial decision making. Focus is primarily on individual decision making under certainty and uncertainty. Topics include valuation theory, asset selection, general portfolio theory, asset pricing theory, general equilibrium in financial markets.

Financial Theory II

B40.2332

Prerequisites: permission of the departmental Ph.D. program adviser and B30.3351. 3 credits. Spring.

The second course in the theory of financial decision making. Focus is primarily on methods of empirical financial economics. Standard econometric procedures and the newest techniques in estimating procedures are studied in the context of applications to financial asset pricing and to corporate finance issues.

Financial Theory III

B40.2333

Prerequisites: permission of the departmental Ph.D. program adviser and B40.2331. 3 credits. Fall.

The third course in the theory of financial decision making. The first half of this course deals with issues in corporate finance. Topics include agency theory, signaling and asymmetric information models, taxes, dividends, and capital structure. The second half of the course focuses on the pricing of options, futures, and other derivative securities instruments.

Honors Project Course

B40.3390

Prerequisites: B01.2311, final semester in program, and permission of the departmental deputy chairman. 3 credits. Fall and spring.

A restricted course primarily for advanced master's program students, giving a student an opportunity to work individually with a faculty member on a current research project. The project includes fieldwork, written reports, and oral presentations. Students are expected to attend some of the Department of Finance research seminars and to read current research on the topic selected. Very limited enrollment.

International Finance

B40.3389

Prerequisites: permission of the departmental Ph.D. program adviser and B01.2311 or equivalent. 3 credits. Fall or spring.

Theory and analysis of international financial markets. Topics include valuation of assets under global theory assumptions; pricing of foreign exchange risk; foreign currency options and futures; and international financial intermediation. Topics in corporate finance are also considered. There is an emphasis on evaluating empirical evidence related to each of the topics covered.

Quantitative Modeling in Finance

B40.3334

Prerequisites: permission of the departmental Ph.D. program adviser and B40.2332. 3 credits. Fall or spring.

A course that focuses on mathematical and econometric topics in finance. Topics may range from the use of stochastic models and diffusion processes in financial modeling, to the newest econometric estimating procedures, to studies of how such procedures have been applied.

Seminar in Corporate Finance

B40.3328

Prerequisites: permission of the departmental Ph.D. program adviser and B40.2333. 3 credits. Spring.

Prepares advanced doctoral students for the comprehensive examination and for independent research. Focus is on current research topics in corporate finance.

Seminar in Financial Markets

B40.3318

Prerequisites: permission of the departmental Ph.D. program adviser and B40.2332. 3 credits. Fall or spring.

Prepares advanced doctoral students for the comprehensive examination and for independent research. Focus is on current research topics in macrofinance and in the structure of financial markets.

Seminar in Investments

B40.3338

Prerequisites: permission of the departmental Ph.D. program adviser and B40.2332. 3 credits. Fall.

Prepares advanced doctoral students for the comprehensive examination and for independent research. Focus is on current research topics in financial instruments and in portfolio theory analysis and testing.

Dissertation Seminar

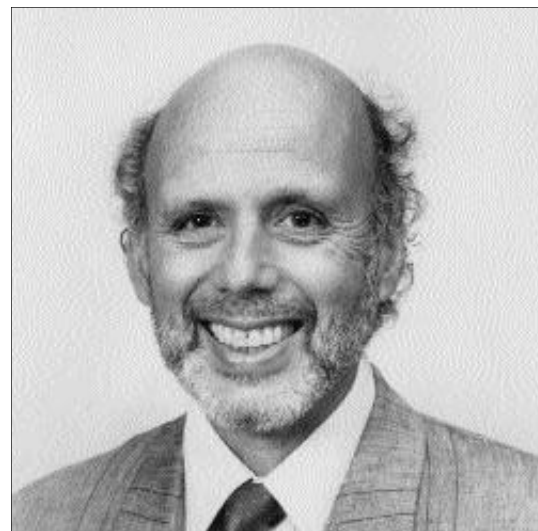
B40.9901-9918

Prerequisites: permission of the departmental Ph.D. program adviser at or beyond comprehensive examination stage in the doctoral program. 18 credits. Fall and spring.

Students register for this course once they reach the comprehensive examination stage in their doctoral program. Individual meetings with the dissertation adviser and members of the reading committee.

Information Systems

Approximately 50 percent of all new capital investments in America are in the area of information technology. Computers and communication systems are revolutionizing organizations and changing the structure of markets on a global scale. Every manager deals with technology on a daily basis and needs to understand how it can be used to increase managerial effectiveness, to restructure organizations, and to gain a strategic advantage for the firm.



The information systems (IS) curriculum provides courses that explain information technology and how it can be effectively implemented and managed. The emphasis is on understanding concepts, developing the managerial skills required to handle an organization's information resources, and being able to recommend information systems policies.

An IS major is especially desirable for students seeking careers in dot.com companies, management consulting, the information systems departments of major organizations, and in general management or sales with "high-tech" companies.

The curriculum contains introductory courses for students with little or no background in information technology, as well as advanced technology and managerial

courses for practicing information systems professionals. Students may construct a program to meet their own needs, whether they are interested in majoring in IS or in taking one or two courses as electives outside their major in another area.

Acting Chairman: Jon A. Turner

Professors: Kenneth C. Laudon, Henry C. Lucas, Jr., Roy Radner, Lee Sproull, Edward A. Stohr, Myron Uretsky

Associate Professors: Yannis Bakos, Patricia Barron, Vasant Dhar, Arthur Goldberg, Jon A. Turner, Alexander Tuzhilin, Norman H. White

Assistant Professors: Michael Davern, Foster Provost, Arun Sundararajan, Vasilis Vassalos, Shinkyu Yang

Adjunct Associate Professors: Adrian Bowles, Kevin Brabazon, Allan Grody, Marion Morgenthal, Ken Marr, Joe Puglisi, Tony Salinger

Adjunct Assistant Professors: Dan Barrish, Michael Bettison, Ernie Campbell

Director of the M.S. Program in Information Systems: Alexander Tuzhilin

Department Office: KMC, 44 West Fourth Street, 9th Floor

Web site for Department of Information Systems: www.stern.nyu.edu/is

Web site for M.S. Program in Information Systems: <http://is-2.stern.nyu.edu/~ms-is>

Master of Science (in Information Systems)

The Master of Science (in Information Systems) degree program is a cooperative program between the Department of Information Systems at the Stern School of Business and the Department of Computer Science of the Courant Institute of

Mathematical Sciences, Graduate School of Arts and Science. Combining courses in both the Departments of Computer Science and Information Systems, together with a general business component, the program is intended to create information systems spe-

cialists capable of applying information technology to business problems without the broad requirements of the M.B.A. Program. For detailed requirements, see pages 25-26.

Courses in Information Systems

REQUIRED CORE COURSE FOR MAJORS AND NONMAJORS

Fundamentals of Information Technology and Electronic Commerce

B01.2119

1.5 credits.

Information technology (IT) is fundamental to corporate strategy, organization structure, relationships with customers and suppliers, products, and services. This IS core course prepares students to understand and manage key technologies and the way they enable business initiatives that were inconceivable a few years ago; demonstrates specific applications of these technologies through examples in E-commerce; identifies emerging business models spawned by these technologies; identifies the challenges these new businesses create for traditional firms; and equips students to provide leadership in leveraging IT for competitive advantage.

ELECTIVE COURSES IN INFORMATION SYSTEMS

Managing the Digital Firm

B20.2314

Corequisite: B01.2119. 3 credits.

This course focuses on the use of both traditional and Web-based information technologies to manage the firm. These technologies make possible new business models, new organizational structures, and new management processes. Topics covered include new technology infrastructure and architecture, major functional applications of IT within the firm, new IT-based business models, enterprise systems, knowledge management, multinational systems, managerial decisions about technology, and new organizational forms.

Information and Internet Technologies

B20.2317

Corequisite: B01.2119. 3 credits.

This course introduces the technical concepts underlying current and future information systems, with an emphasis on Internet-related technologies. It begins with the fundamentals of computer systems, databases, and networking. Then special emphasis is given to technologies that underlie the World Wide Web and E-commerce, including HTML, XML, emerging

interoperability standards, security, search, information retrieval, agent technologies, data warehousing, and data mining. This course provides both a refresher to basic concepts as well as coverage of cutting-edge technologies. It assumes no prior knowledge of technology or programming, beyond experience with personal computers. Course requirements include homework assignments and a term paper.

Information Technology: Strategy and Management

B20.2318

Corequisite: B01.2119. Not open to students who have taken B65.3332. Counts toward a major in information systems, management, or international business. 3 credits.

The course discusses the role of information technology in corporate strategy along with key issues in managing information technology (IT). Different generic strategies are discussed along with how IT plays a part in implementing them. Cases and lectures are used to demonstrate how technology can be used to both gain and sustain a competitive advantage. Emphasis in this course is on how IT can contribute to organizational effectiveness. The course also covers critical issues in managing the technology function as a strategic asset. The use of IT in corporate strategy depends on an appropriate technological infrastructure and on the ability of the firm to successfully manage its technology.

Designing and Developing Web- Based Systems

B20.3322

Corequisite: B01.2119 and B20.2317 or equivalent background as well as the ability to program in some programming language. 3 credits.

This course covers the management and development of Web-based information systems. Students analyze, design, and develop Web-enabled database applications using several different approaches. Emphasis is on concepts and architecture of new technologies. Topics include the CGI processing model and its alternatives, Java applets, Java servlets, JDBC; application service providers; multitier client-server computing; object-oriented models; active server pages and other server-based processing alternatives;

distributed databases; distributed business objects such as CORBA; text processing applications (PERL, awk, etc.); and platform options (Windows NT vs. Unix).

Field Studies in the Digital Economy

B20.3330

Corequisite: B01.2119. 3 credits.

This course offers a firsthand examination of business challenges in the digital economy by taking advantage of the Stern School's unique location in the middle of Silicon Alley. Students participating in the course visit New York area digital commerce firms, analyze their strategies and activities, and then prepare case studies and teaching notes based on these companies. These cases (1) identify the changing issues being faced by companies operating in this environment, (2) demonstrate how customers operating in this environment are coping with rapidly evolving changes, and (3) present a framework for identifying success factors for these companies compared with counterparts elsewhere in the economy. Teams of faculty and business executives guide and assess student activities.

Data Mining and Knowledge Systems

B20.3336

Corequisite: B01.2119. 3 credits.

Data mining is the process of converting the raw data into useful information or knowledge required to support decision making. It automates the process of knowledge discovery, making us orders of magnitude more productive in our search for useful information than we would be otherwise. It also increases the confidence with which we can make business decisions. The course focuses on two subjects simultaneously: (1) the essential data mining and knowledge representation techniques used to extract intelligence from data and experts and (2) common problems from the fields of finance, marketing, and operations/service that demonstrate the use of the various techniques and the tradeoffs involved in choosing from among them. The areas explicitly covered in the course are OLAP, neural networks, genetic algorithms, rule induction, fuzzy logic, case-based reasoning, and rule-based systems.

Electronic Commerce

B20.3338

Corequisite: B01.2119. 3 credits.

The Internet and the emerging “information superhighway” are dramatically altering the way we transact goods and services. This course examines how new information technologies and networks will affect the exchange of goods and services between buyers and sellers in the twenty-first century. How will advertising, purchasing, customer service, and trade settlement processes change? What are the economics of different electronic commerce models for these processes? The course evaluates key corporate strategies and initiatives in electronic commerce and the enabling network and user interface technologies that will redefine business as we know it. These technologies include the Internet, interactive television, virtual reality, digital cash, etc. The course considers the economics of electronic commerce and the costs of organizing and implementing different models of electronic trading.

Financial Information Systems

B20.3350

Corequisites: B01.2119. 3 credits.

This course investigates the role of information technology (IT) in financial market operations and in enhancing the competitive performance of financial services firms. It examines the development and use of financial information systems such as trader workstations, electronic payments mechanisms, funds transfer networks, and securities market trading and back-office processing systems. The objectives are to build an understanding of the IT impacts on banking and markets, to gain knowledge of the leading-edge applications of systems, and to develop skills in implementing computer-based financial analysis and models.

Risk Management Systems

B20.3351

Corequisite: B01.2119. 3 credits.

Concepts of risk management have taken on new meaning and importance as financial assets and raw material prices have become more volatile in an age of global markets. In response, risk management systems have an all-pervasive, systematic presence in corpo-

rations. This course examines the systems implications of the various tools, methods, and approaches to managing risk, including how exchanges manage the risk of default through centralized clearing entities; counterparty risk management techniques of nonexchange traded products; methods and systems to manage and monitor financial portfolio risk; tradable products (futures, options, forward, and swaps) that allow the transfer and offsetting of risk; systems and modeling techniques that allow the quantification of risk and determine prices for derivative products; corporate systems for aggregating component risk into the balance sheet; and cash flow and capital risk.

Business Process Design and Implementation

B20.3356

Corequisite: B01.2119. 3 credits.

This course focuses on the design, management, and implementation of IT-supported business processes. The evolution of information technology and the near ubiquity of the Internet give business firms the opportunity to completely redesign their business processes, to develop systems faster, and to implement systems in entirely new ways. Topics covered include business process analysis and design, implementation, change management, and performance measurement systems. Relevant technologies include Web-based application service providers, workflow management systems, knowledge management systems, and enterprise systems. Students learn how to analyze a business problem, design new business processes, and manage the implementation process. They also gain an understanding of the technology support structure required for successful implementation of organizational and interorganizational processes.

Current Topics (Fall 2000: Survey of Advanced Technology)

B20.3362

Corequisite: B01.2119. 3 credits.

This course will provide a thorough examination of several key technologies that drive major advancements in e-business and new business opportunities that they create. Some examples of these technologies include information retrieval, information extrac-

tion and data mining, personalization and customer relationship management, agents and intelligent assistants, wireless and information integration technologies. The course will cover the technical foundations of some of these technologies and then will examine them from the following two perspectives: (1) how new business models and new business problems in e-commerce create a need for some of these new technologies (business pull); (2) how some of these enabling technologies create new business paradigms and new business models (technology push). The course will also examine various forms of interaction between these two forces, and how they create a virtuous cycle of major advances in business and society in general. The students will also study key companies in the “spaces” created by these technologies, how they position themselves in these spaces, and how they compete and collaborate among themselves. As a part of the course, the students will also try to look into the future and estimate where these technologies and the high-tech companies occupying these “spaces” are heading, and what is in store for them. Finally, the students will discuss what the “next big things” are and examine entrepreneurship opportunities associated with them.

Managing Financial Businesses

B55.2310

Corequisites: B01.2311, B01.2119, and B01.1302. An interarea course in finance, information systems, and management. 3 credits.

This course covers cross-departmental issues such as financial analysis of competitive performance, global economic and regulatory issues, business strategy, human behavior in complex organizations, and information technology. It encourages awareness of important management requirements for the financial services industry, and provides a framework for understanding how these are implemented and carried out in successful and unsuccessful firms. This interarea course forms an integrative learning experience for students majoring in finance, information systems, or management and is cotaught by professors from these departments.

Minicourses

Knowledge Management and Decision Systems

B20.3130

Corequisite: B01.2119. 1.5 credits.

The focus of this course is a blend of theories, approaches, and technologies for managerial problem solving and knowledge management. It reviews common fallacies and pitfalls in decision making and seeks to equip students with the knowledge of managerial techniques and information technologies for effective organizational decision making. Students are exposed to methods and tech-

nologies for leveraging intellectual capital, both at an individual and firm level. Major topics of the course include "decision traps," problems in dynamic decision making, systems thinking, decision support, and technologies that facilitate knowledge sharing, knowledge management, and organizational learning.

Technology Project Management

B20.3131

Corequisite: B01.2119. 1.5 points.

This minicourse equips students to manage

large-scale information technology projects that have a significant impact on the organization. Technical topics include project specifications, risk analysis, cost estimation and budgeting, time and resource scheduling using critical path methods, and implementing a project control system. Managerial topics include stakeholder analysis, building partnerships in the organization, change management, work redesign, and performance measurement systems.

Information Systems Courses for Doctoral Students

Technical Foundations of Information Systems

B20.3386

Open only to doctoral students. 3 credits.

This course introduces the basic technical theories and concepts needed for conducting and understanding research in information systems. Topics include complexity theory, set theory, search, logic, database theory, and knowledge representation.

Organizations and Strategy

B20.3387

Open only to doctoral students. Cooffered with the Departments of Information Systems and Management. 3 credits.

This course introduces students to the principal theoretical frameworks, methodological approaches, and empirical findings researchers use to explain the relationship between environments and organizations. The first part of the course develops the four principal paradigms on which organization theorists rely to explain how organizations adapt to their environments. These paradigms encompass now popular neoinstitutional theory, organizational ecology, and contingency theory, as well as resource, network, and cognitive perspectives. Special topic sessions are devoted to the role of technology and the conduct of planned change. The second part of the course takes a strategic perspective to the firm's concern with adaptation. The class explores how environments propel managers to formulate business, corporate, and collective strategies, as well as to design structures and control systems to enhance their firms' effectiveness.

Research Methods

B20.3388

Open only to doctoral students. Cooffered with the Departments of Information Systems, Marketing, and Management. 3 credits.

This course covers selected topics in information systems research, such as user information satisfaction, interface design evaluation, and groupware. Students synthesize their material and prepare written and oral presentations. Students produce a literature survey paper on their own topic and a research proposal. They then execute their research with the objective of producing a journal-quality paper.

Seminar on Current Research Topics

B20.3389

Open only to doctoral students. 3 credits.

In-depth study of major research topics in the field of information systems, led by members of the faculty. Topics include database and knowledge-based systems, communications/networks and coordination technologies, decision theory, economics of information systems, advanced systems analysis and design, and software engineering. Topics are revisited on a two-year cycle.

Decision Making and Organizational Behavior

B20.3390

Open only to doctoral students. Cooffered with the Departments of Information Systems and Marketing. 3 credits.

Commences with a survey of normative and descriptive models of individual and group decision making in a world that is charac-

terized by conflicting objectives, different risk-taking attitudes, uncertain outcomes, and limited computational resources. The course then examines how the organizational context may influence individual and group decision processes. This part also examines models of group composition, motivation, and leadership. In addition to exploring key models in decision theory and organizational behavior, the course demonstrates how these models can be used to support empirical and normative research in such areas as management, marketing, finance, and information systems.

Managerial and Organizational Cognition

B55.3380

An interarea course in management, information systems, and economics. 3 credits.

The rapid progress of information technology has had tremendous impact on organizations. Data, analyses, and forecasts that required substantial efforts a decade ago are now at the fingertips of managers. How do these developments affect managerial cognition and decision making? What is the role of managerial cognition in the filtering, interpretation, and sharing of such vast amounts of information? How can firms transform the vast amounts of information into knowledge? How can such knowledge be used for organizational innovation and change?

An interdepartmental student-faculty workshop open to doctoral students and to advanced M.B.A. students with the consent of the instructors. Participants are expected to attend the workshop regularly.

International Business: A Multidisciplinary Program

The International Business Area of the Stern School offers an extensive program for students planning careers in multinational firms, internationally oriented financial institutions, and national and international agencies dealing with global business. Stern's program in international business was one of the first offered by a major business school and continues to be one of the best.



The International Business Area serves as a catalyst for Stern's focus on global business. The area brings together faculty with interest and expertise in international dimensions of management, finance, marketing, accounting, and economics. They have an internal reputation for quality teaching and an external reputation for innovative research. The popular "IB" comajor provides students with an international perspective that complements a functional specialization. Specific courses develop topics ranging from multinational corporate strategy to international capital markets. Students taking this comajor must fulfill all the requirements for a major in one of the basic functional fields (finance, marketing, etc.), possibly includ-

ing international courses in that field; they also take prescribed international courses in other fields as electives. All comajors must take an international business core course analyzing foreign environments and international management problems. Students cannot major in international business.

Area Chairman: Thomas Pugel

Professors: David Backus, Frederick D. S. Choi, Thomas Cooley, C. Samuel Craig, Susan Douglas, Richard Levich, Rita Maldonado-Bear, Thomas Pugel, George Smith, Roy C. Smith, Marti G. Subrahmanyam, Ingo Walter, Bernard Yeung

Associate Professors: Jacob Boudoukh, Jose Campa, Durairaj Maheswaran, Jianping

Mei, Nouriel Roubini, James Myles Shaver

Assistant Professors: Ya-Ru Chen, Wilbur Chung, Xavier Martin, Fabrizio Perri, Rachelle Sampson

Instructors: Naomi Gardberg, Namgyoo Park

Adjunct Professors: Alexandra Benz, Anindya Bhattacharya, Rodrigo Briones, Hart Fessenden, Ian Giddy, Sydney Key, Harry Krensky, Vladimir Kvint, Frederick Militello, Joseph Petry, Harvey Poniachek, Heinz Riehl, Mark Scher, Martin Siegel, Venkataramani Srivatsan, Kishore Tandon, Richard Williams

Area Office: KMC, 44 West Fourth Street, 7th Floor

Requirements for the M.B.A. Degree with a Comajor in International Business

The program contains two components:

1. THE INTERNATIONAL BUSINESS CORE

*Multinational Business
Management*
B65.2340

2. INTERNATIONALLY ORIENTED ELECTIVES

For the M.B.A. degree with a comajor in international business, three internationally oriented courses (9 credits) are required in addition to the core course. These courses can be taken in major or elective areas. The total requirement is four courses (12 credits), including the international core course.

Students who participate in the International Management Program (IMP) receive 6 credits of internationally oriented electives if they choose to pursue a comajor in international business. For a suitable course, 3 of these 6 credits can substitute for Multinational Business Management.

Courses in International Business Subjects

International Accounting and Financial Statement Analysis

B10.3335

For description, see page 39.

The Comparative Analysis of the Japanese and U.S. Economies

B30.2337

For description, see page 42.

Post-Soviet Economies in Transition

B30.2383

For description, see pages 42-43.

International Competition and the Multinational Enterprise

B30.2385

For description, see page 42.

Theory of International Trade

B30.3384

Ph.D. level. For description, see page 45.

International Macroeconomics

B30.3386

Ph.D. level. For description, see page 45.

Global Perspectives on the History of Enterprise

B30.2338

For description, see page 43.

International Investments Analysis

B40.3103

For description, see page 56.

International Treasury Management

B40.3150

For description, see page 56.

International Treasury Risk Management

B40.3152

For description, see page 56.

Topics In International Finance

B40.3188

For description, see pages 56-57.

International Fixed Income

B40.3380

For description, see page 56.

Emerging Financial Markets

B40.3384

For description, see page 56.

Global Banking and Capital Markets

B40.3387

For description, see page 56.

International Financial Management

B40.3388

For description, see page 56.

International Finance

B40.3389

Ph.D. level. For description, see page 57.

Multinational Business Management

B65.2340

For description, see page 67.

The Global Manager and Negotiator

B65.2360

For description, see page 67.

Globalization of the Entertainment Industry

B70.2112

For description, see pages 75-76.

International Marketing Management

B70.2385

For description, see page 75.

Tax Aspects of International Business

B95.3343

For description, see page 40.

World Debt and Emerging Markets

B50.2132

*Prerequisites: B01.2303 or B01.2303 or
the equivalent. 1.5 credits.*

Examines the roots of world debt problems and their implications for the international monetary system, as well as the roles and interests of the different players, such as sovereign borrowers, commercial banks, and supranational institutions. Special attention is devoted to business opportunities in "emerging markets." Literature on the sub-

ject is reviewed, and practical examples are provided, with special emphasis on Mexico and South America.

Western European Business

B50.2310

3 credits.

Analyzes the business systems of a variety of Western European nations as well as the influence of environmental factors (geographic, economic, political, social, cultural) and internal forces on their development. Emphasizes the European Union and the forces of integration operating in Europe.

Asian Business

B50.2114

1.5 credits.

Analyzes the environmental, managerial, and functional aspects of conducting multinational corporate business in Asia. Encompasses economic issues as well as sociocultural factors that affect corporate strategies for doing business in Asia. Examines the business implications of Asian regional groups (APEC, ASEAN, and SAARC).

China's Economic System: Doing Business in China

B50.2116

1.5 credits.

Provides an overview of the Chinese economy and business in China since 1980. Examines the transition from plan to market in the industrial sector, the opening of China, and the roles of joint ventures and foreign corporations. Emphasizes structural changes, including the reform of state-owned enterprises, the development of town/village enterprises, the emergence of capital markets, and underlying financial and legal reforms. Develops a political, economic, and legal framework for analyzing ongoing changes in China.

Management Strategies in Emerging Markets: Central Eurasia

B50.2115

1.5 credits.

Analyzes the major factors influencing the political and economic strategy of international business in the central Eurasia region, which includes the former U.S.S.R. and Soviet bloc countries. Examines privatization of industry and agriculture, internationalization of business, investment patterns,

and the shortage of capital. Emphasizes the various forms of investment in the former Soviet bloc countries, the methods to reduce political risk of investment, and effective forms of trade. Provides practical knowledge on how to set up joint venture agreements, participate in free economic zones, and prepare import/export agreements.

Emerging Economies

B50.2335

3 credits.

Provides an understanding of the process of development, the significant elements of development strategies and policies, and the problems encountered in implementation. Links policy choices to their consequences for growth, economic instability, and income distribution, so that students are in a better position to appreciate the risks and opportunities in emerging markets. The emphasis is on practical aspects of development.

MDL—International Management Simulation

B50.2397

3 credits.

Provides an opportunity to run \$60-100 million companies involved in international business. Participants identify and analyze domestic and international opportunities, negotiate with counterparts in other companies, implement decisions, and analyze results as well as report to a board of directors comprised of executives from leading companies.

Emerging Markets Initiative

B50.3312

3 credits.

The purpose of this course is to study businesses within the context of an emerging country, including its economy, its culture, and its position within the global business environment. The course combines classroom sessions with a study tour of a chosen country. Faculty and regional experts provide classroom instruction while the study tour is primarily student organized. Groups of students work on projects sponsored by corporations, alumni, or Stern School.

Workshop in International Business and Economics

B50.3350

Open only to doctoral candidates or by permission of the instructor. 3 credits.

An advanced, intensive interdisciplinary workshop for doctoral students pursuing dissertation topics. Students present research in progress and dissertation proposals. Guests and faculty members also present original research papers.

Reading Seminar in International Business

B50.3381

Open only to doctoral students or by permission of the instructor. 3 credits.

Intensive study of the conceptual, research, and empirical characteristics of the literature on business policy and administration of the multinational corporation.

Research Methods in International Business

B50.3383

Open only to doctoral candidates or by permission of the instructor. 3 credits.

Prepares doctoral students to undertake research on international business topics and exposes them to specific problems of research in a multinational context. Covers philosophical and conceptual issues, including the emic/etic dilemma, validity and reliability, the design of international research, selection of unit of analysis, use of secondary data sources, development of research instruments, sampling issues, and data collection and analysis.

Dissertation Seminar (International Business)

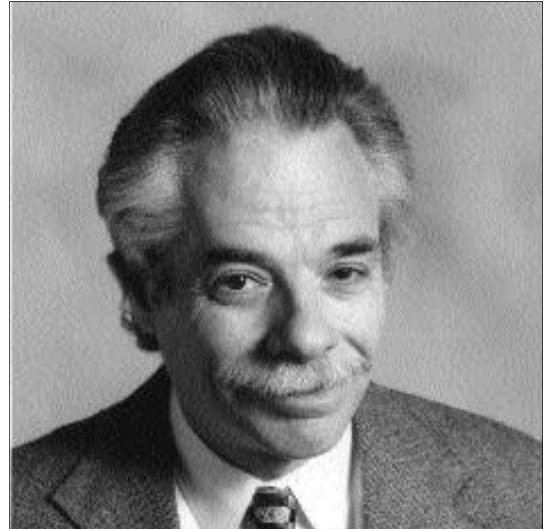
B50.9901

Open only to doctoral students with the permission of the instructor-in-charge. 9 credits per term. Fall and spring.

Individual meetings with the dissertation adviser and members of the tentative committee on the dissertation.

Management and Organizational Behavior

Organizations must be able to compete in environments marked by complex interactions and rapid change. The Department of Management and Organizational Behavior offers courses and conducts research on how organizations can better manage internal and external interactions and changes. The content ranges from organization-wide topics, such as competitive positioning, managing new technologies, and shaping organizational cultures, to the skills needed by individual managers, such as negotiating and building commitment.



All courses emphasize (1) applying relevant theory to the analysis of complex organizational problems; (2) experiential learning (through cases and exercises); and (3) a general management focus. Our main interest is in managerial practice, and we regard our primary task as applying relevant theory in ways that enhance students' ability to diagnose and manage more effectively complex organizational situations.

The department's faculty have published widely on such diverse subjects as strategic change, managerial cognition, organizational learning, innovation and new technologies, knowledge management,

socialization processes, and diversification and globalization strategies.

Chairman: Richard D. Freedman

Professors: Roger Dunbar, Charles J. Fombrun, Richard D. Freedman, Ari Ginsberg, William D. Guth, David Rogers, Zur Shapira, William H. Starbuck, Dale E. Zand

Associate Professors: Raghu Garud, Theresa Lant, Stephen Mezas, Frances J. Milliken, Elizabeth W. Morrison, James Myles Shaver

Assistant Professors: Richard Arend, Caroline Bartel, Ya-Ru Chen, Wilbur Chung

Michelle Gittelman, Gregory Janicik, Andrew King, Michael Lenox, Xavier Martin, Rachele Sampson, Kimberly Wade-Benzoni, Amy Wrzesniewski

Visiting Faculty: Raja Kabaliswaran

Clinical Faculty: Robert B. Lamb, Daniel Nathanson

Adjunct Faculty: Yair Berson, George Buckley, Helen Carter, Seth Freeman, Neal Goldsmith, Mitchell Langbert, Anat Lecher, David Liebeskind, Michael Mazzaresse

Department Office: Tisch Hall, 40 West Fourth Street, 7th Floor

Electives

Competitive Analysis

B65.3328

Prerequisites: B01.2310, B01.2311, and all required core courses. 3 credits. Fall and spring.

Globalization and the quickening pace of technological, demographic, and political changes have produced major shifts in the way firms compete. To prosper in a business environment marked by complex competitive dynamics, companies will need to be run by managers who possess finely tuned skills in competitive analysis. To help develop such skills, this course focuses on developing pro-

ficiency in (1) evaluating an industry's economic prospects; (2) selecting the scope of competition; (3) acquiring distinctive resources and capabilities; (4) developing sustainable advantage; (5) predicting and preempting competitors' responses; (6) choosing competitive options that create economic value; and (7) executing competitive decisions. The course is concerned with strategic leadership and should be of interest to those pursuing a career in strategy consulting.

New Business Planning Practicum

B65.2326

Prerequisite: B01.1302. 3 credits.

This practical applications course is designed to facilitate the start-up process of a new venture. Students learn by working in small team partnerships to develop a business plan and start-up scenario for their own new business concept. Class sessions, readings, invited experts, and meetings with the instructor are used to provide guidance and evaluation as each team's plan develops through designated milestones. Applicants

must submit a one-page short form identifying their new business concept, indicating its feasibility by briefly outlining the “need” for the product/service; its unique selling benefit or value; market(s) to be served; and the perceived strategy, along with the core competencies required for competitive advantage. Students who wish to enroll in this course should have taken Foundations of Entrepreneurship and have a new business concept they wish to develop.

Corporate Venturing

B65.2130

1.5 credits.

Managers in large mature corporations have become increasingly aware of the important role of entrepreneurship in responding to the competitive challenges of a fast changing marketplace. This process of entrepreneurship, referred to as “corporate venturing,” is one that generates and exploits new technologies, products, or businesses under the organizational umbrella of an established firm. This course seeks to provide an understanding of this process and the knowledge and skills that are required to manage organizations so that innovations and new businesses are generated and growth is sustained. To that end, it draws on a variety of fields and disciplines, including management, finance, and systems thinking, to develop frameworks and techniques that are needed to plan, start, evaluate, control, and successfully operate corporate ventures. The course should be of interest to those who wish to work as a member of a corporate venture team, as the general manager of a corporate venture, or as a member of senior management overseeing the venture within the corporation.

Managing Growing Companies

B65.2327

Prerequisites: all required core courses.

3 credits. Fall and spring.

This course exposes students to the unique challenges of managing the growth of small businesses. The course is designed for students who are interested in understanding the opportunities and problems involved in the start-up, management, or operation of their own business. In addition, the course is also designed for students who are considering employment in a smaller firm. The differences between small firms’ and large organizations’ management needs, practices, and financial resources are examined.

Managing Change

B65.2353

Prerequisites: all required core courses.

3 credits. Fall and spring.

Contemporary business environments contain challenges that demand an increasing pace, volume, and complexity of organizational changes. Most organizations, whether they are entrepreneurial start-ups or long-established Fortune 500 firms, find that they must change or wither. This course is geared toward deepening students’ understanding of the challenges, the techniques, and the burdens associated with initiating and implementing major change in an organization. The objective is to prepare managers, or their consultants and advisers, to meet the challenges of organizational change successfully. As such, the course is especially useful for students who plan careers in management consulting, general management (whether in line or staff positions), and entrepreneurship or corporate venturing.

Technological Innovation and New Product Development

B65.3356

3 credits.

This course offers perspectives and frameworks that seek to understand technological innovation and new product development at different levels of analysis, including the firm, industry, and national levels. The course addresses issues pertaining to the discovery, development, and diffusion of technological advances. For example, we attempt to understand the innovation process in both start-up and established firms, and when established firms have an easier (or more difficult) time bringing a new product to market and appropriating profits from it. Provides frameworks for assessing new technological and business opportunities. Students are expected to analyze and evaluate technological opportunities using the frameworks and techniques presented in the course.

Information Technology Strategy and Management

B65.3332

Prerequisite: B01.2119. 3 credits. Fall and spring. Not open to students who have taken B20.2318. Jointly offered with Information Systems.

Discusses the role of information technology (IT) in corporate strategy along with key issues in managing information technology.

The course presents different generic strategies and discusses how IT plays a part in implementing strategy. Cases and lectures are used to demonstrate how technology can be used to both gain and sustain a competitive advantage. Emphasis in the course is on how IT can contribute to organizational effectiveness. The course also discusses critical issues in managing the technology function in the organization. The use of IT in corporate strategy depends on an appropriate infrastructure and on the ability of the firm to successfully manage technology.

Management Consulting: Practicum

B65.3306

3 credits. Fall. For full-time students only.

This practicum involves students as “associates” of Stern Management Consulting, a pseudo-consulting firm with paying clients from the New York metropolitan area. Students work on an engagement in teams supervised by faculty “managing partners.” They also meet regularly to participate in workshops and interactive sessions with practicing consultants from our advisory board. The long-term engagements culminate in mock orals and feedback sessions with clients.

Foundations of Entrepreneurship

B65.3335

Prerequisites: B01.1306 or equivalent.

3 credits. Fall and spring. Marketing majors can count this course toward their marketing course requirement.

This course offers a framework for understanding the entrepreneurial process and exposes the student to most problems and issues faced by entrepreneurs who start new businesses. Case study is the principal teaching method, supplemented by lectures, a business planning exercise, and guest speakers. Major objectives are for students to learn how to identify and evaluate market opportunities; develop a business concept and marketing plan; assess and obtain the required resources; and manage the growth of a new venture. This course can count as a marketing elective and fulfill part of the requirements of the marketing major. However, it can only be counted as either a marketing elective or a management elective, but not both.

Multinational Business Management

B65.2340

Prerequisite: B01.1302. 3 credits. Fall and spring.

Provides an understanding of the cultural, political, competitive, technological, legal, and ethical environment in which multinational firms operate. Surveys a range of tools and techniques of environmental analysis for use in assessing foreign and global conditions, opportunities, and threats. Then focuses on multinational corporate strategy, organization, and management. Examines building of strategic capabilities, collaborating across boundaries, developing coordination and control, and managing activities and tasks, as well as challenges of worldwide functional management, geographic subsidiary management, and top-level headquarters management. (This course must be taken by all students comajoring in international business.)

The Global Manager and Negotiator

B65.2360

3 credits. Fall and spring.

Aims to expand awareness, enhance understanding, and facilitate development of a set of managerial competencies essential for a successful career in international business. Focuses on issues involved in working in multinational settings, managing foreign assignments, and coping with the complexities of cross-cultural negotiation. Examines leadership, motivation, decision making, communication, power and influence, conflict management, group dynamics, and stress management in an intercultural context. A variety of teaching methods are employed, including lectures, negotiation exercises, role-playing simulations, videotapes, computer simulations, and experiential exercises. (Elective offering with credit toward international business comajor.)

Analysis of Organizations

B65.2370

Prerequisite: B01.1302. 3 credits. Fall and spring.

This course develops student skills at diagnosing organizations and developing prescriptions to improve their effectiveness. It is appropriate for those interested in organizational performance from a managerial or

external perspective (e.g., management consultants, investment bankers, and financial analysts). Examines organizations' attempts to adapt as open systems in competitive environment. We consider the major factors influencing organization design, e.g., strategy, environment, and technology. Then we analyze the major internal processes affecting organizational performance, e.g. control systems, politics, and conflict. Then we probe how organizations can improve their ability to adapt in increasingly dynamic environments. The course includes domestic and international examples. The main learning methods are case analyses and a study of the organizations of the central competitors in an industry or industries that the class chooses.

Conflict and Negotiations

B65.2358

Prerequisite: B01.1302. 3 credits. Fall and spring.

This course is concerned with the management of conflicts that arise from differences in interests such as goals or priorities or competition for limited resources. It focuses on negotiation as a primary process for settling disputes between individuals and within and between organizations. The course examines and interrelates the key variables in a negotiation. These include stakes, power, interdependence, trust, coalitions, communication, the use of time, one's personal style of negotiation, and the consistency of a settlement with the firm's business strategy. The course makes extensive use of negotiation simulations to encourage students to apply negotiation principles and to develop diagnostic and behavioral skills that increase their negotiation repertoire and competence. Near the end of the course there is an intensive negotiation that continues for six hours on a Friday (or a Saturday for night classes only). All students must participate in this negotiation to receive a grade in the course.

Family Business Management

B65.2328

3 credits.

The course is directed to students who will enter into the management of family businesses, either their own family's or someone else's, and students who will do business with family firms or consult to them. The focus is

on small and mid-size firms in the \$10-\$250 million annual revenue ranges. The course explores the managerial, strategic, and behavioral complexities found in family-owned and -managed companies, including entrepreneurial behavior of founders and entrepreneurship requirements of successor generations. Through case studies and guest speakers we consider questions of ownership, succession, sibling rivalry, attracting and retaining nonfamily talent, and estate planning.

Judgment and Negotiation Skills for Strategic Decision Making

B65.3351

3 credits. Spring.

Many business decisions, such as developing a new product or investing in an overseas operation, are made under uncertainty. While there are analytical procedures for making such decisions, they often depend on the decision maker's judgment, especially when there is a need to estimate probabilities for uncertain events. However, evidence shows that people often employ judgmental heuristics that may lead to biases. This course attempts to make students aware of such biases and develop corrective procedures.

In addition to decision skills, negotiations skills are often needed to ensure that decisions are accepted and implemented. This course allows students the opportunity to develop such skills and to understand negotiations in a useful analytical framework. Many elements in actual negotiations, such as goals of different parties and chances for cooperation, may be ambiguous and often do not have "right" answers. In such cases, understanding the negotiation process may prove useful in selecting competitive or cooperative strategies. The course uses exercises and simulations to provide experience and understanding of negotiation. Both judgmental and decision skills are then integrated and applied to cases of strategic decision making.

Power and Politics in Organizations

B65.3366

Prerequisite: B01.1302. 3 credits. Spring.

This course considers the way political processes and power structures influence decisions and choices made within and by

organizations. Analyzes the sources, distribution, and use of influence in relation to resource allocation, organizational change and performance, management succession, procedural justice, policy formulation, and social movements within organizations. Develops skills in diagnosing and using power and politics in organizational settings. A basic assumption underlying the course is that managers need well-developed skills in acquiring and exercising power to be effective. The course is designed to (1) improve students' capacity to diagnose organizational issues in terms of their political dimensions and (2) enhance their effectiveness in their jobs and careers as a result of that improved capacity.

Environmental Assessment, Management, and Strategy

B65.3379

Prerequisite: B01.1302. 3 credits.

Spring.

Modern companies must manage their impact on the natural environment to maintain access to valuable resources and to avoid conflict with communities or government. Modern strategic consultancies now have large and growing practices in environmental management. This course teaches students how to analyze and manage environmental issues in business. Students learn how to integrate environmental issues into operational and financial decisions. Students learn to develop business strategies that minimize both environmental and

financial risk. Students learn how firms can benefit from corporate greening.

Emphasizes cases, computer simulations, and negotiation exercises to teach game theory, strategic planning, and other management skills. Employs analytic and simulation models to explore common property resource problems, to explore industrial and environmental change, and to predict the impact of governmental regulation.

Finally, the course covers unresolved issues in environmental science and management, and reviews potential future environmental problems. The course counts toward a major in management or a major in international business or operations management. Students should have taken microeconomics.

Doctoral Courses

The following courses are designed primarily for students enrolled in the doctoral program of the Stern School. The Department of Management and Organizational Behavior offers both core courses and advanced electives. The content of advanced electives varies and will depend on the instructor delivering the course.

Individual and Group Behavior in Organizational Settings

B65.3371

Prerequisite: a prior course in psychology or sociology. 3 credits. Fall.

This course introduces doctoral students to scientific theories of individual and organizational behavior. The course reviews processes of perception, judgment, attribution, choice, motivation, and decision making. Since organizational behavior occurs mostly in social settings, the course introduces the social psychological effects on individual behavior with regard to motivation, performance, and group processes. Attention is given to the effects of social contexts on information processing and inference with regard to such topics as performance evaluation, job satisfaction, and organizational justice. Theories of individual and group behavior are applied to topics such as leadership, managerial risk-taking, organizational culture, and change processes.

Research Methods: Introduction

B65.3301

3 credits. Fall.

This course presents the philosophy, basic concepts, and techniques that doctoral students need to conduct scientific research in the social sciences. Students discuss theory-building, the scientific method concepts of measurement, research design, sampling, and statistical inference. They also discuss questions of objectivity, values, ethics, and politics in scientific research. Primary emphasis is placed on developing a solid conceptualization of the research process, the uses to which research may be put, and its practical implications.

Introduction to Organization and Strategy

B65.3372

Prerequisite: a prior course in psychology or sociology. 3 credits. Spring.

Organizations operate in dynamic environments. This course introduces doctoral students to the principal theoretical perspectives and empirical findings used to explain relationships among environments, organizational strategies, designs, and performance. Students are expected to develop expertise in the analysis of environments, organizations, and strategies from several theoretical perspectives, such as resource dependence theory, institutional theory, organizational ecology, and industrial organization economics. The seminar stresses the competitive and mutualistic dimensions of environments that propel managers to enact business, cor-

porate, and collective strategies, structures, processes, and systems to enhance their firms' effectiveness. Both theoretical and empirical research are examined to illustrate how different theoretical perspectives require different empirical research methodologies. Although the course emphasizes the state of the art in theory development and empirical research, the historical roots of current research are also examined.

Advanced Research in Organization Behavior

B65.3381

Prerequisite: B65.3371 or permission of the instructor. 3 credits. Fall.

This seminar provides a forum for students and faculty to explore current research approaches to the study of individual and group behavior in organizational settings. The content of the seminar varies depending on the particular interests of the faculty and participating students.

Advanced Research in Organization Theory

B65.3387

Prerequisite: B65.3372 or permission of the instructor. 3 credits. Fall.

In this seminar, students and faculty explore current research approaches to the study of organizational structures and organization-environment relationships. The content of the seminar varies depending on the particular interests of the faculty and participating students.

Advanced Research in Corporate Strategy

B65.3393

Prerequisite: B65.3341 or permission of the instructor. 3 credits. Spring.

This seminar provides a forum for students and faculty to explore current research approaches to the study of strategic management and business policy. The content of the seminar varies depending on the particular interests of the faculty and participating students.

Advanced Course in Research Methods

B65.3302

This course focuses on advanced topics in research design and data analysis. Students design an empirical study and collect data to test the study's hypotheses. Data analysis techniques such as multiple regression and simultaneous equations are discussed and practiced.

DISSERTATION SEMINAR

Dissertation Seminar

B65.9900

Open only to doctoral students with the permission of the professor in charge. Senior members of the management staff. 9 credits per semester. Fall and spring.

Individual meeting with the dissertation adviser and members of the tentative reading committee on the dissertation.

MANAGEMENT COLLOQUIUM SERIES

Departmental faculty and distinguished visitors regularly present reports on research in progress or recently completed. Open to Ph.D. candidates and advanced M.B.A. students.

Management Communication

Effective communication is vital for success both at Stern and in the business world. Courses in the Management Communication Program emphasize developing the full range of communication strategies required to become a successful manager.

This program develops a level of knowledge about communication that managers need in order to succeed in today's business environment—how to manage new electronic communication technologies, how to share information with off-site employees, how to persuade others to accept proposals, how to select appropriate media, and how to sell products and ideas to a wide range of audiences. The Management Communication Program offers courses that prepare all professionals for the skills required to compete in business today.



Director and Clinical Professor: C. Christine Kelly

Clinical Associate Professors: Michael J. Capek, Sana Reynolds, Irv Schenkler, Aline Wolff

Adjunct Faculty: Susan Becker, Cheryl Fleisher, Lynn Kearney, Susan Mach, Susan McClive, Roberta McKeon, Katherine Mosby, Bill Page, John Peyton, Celia Seupel, Robert Shuter, Rick Spreyer, Susan Stehlik, Nicole Wallack

Program Office: Tisch Hall, 40 West Fourth Street, Room 202

Communication Careers

Corporate Communications
Public Relations
Public Information
Management Consulting
Marketing Communications
Strategic Communications Planning
Communication Consulting

Training and Development
Human Resources
Investor Relations
Arts Management
For students interested in a career in communications, the program offers electives designed for their special needs.

All business students will want to take Management Communication, B45.2300, regardless of major. The course will fundamentally change the student's ability to explain an idea and persuade an audience by either written or spoken means.

New Media

The Management Communication Program provides support to students interested in working with new media, including assistance with creating home pages for the World Wide Web, E-mail, and computerized

slide presentations. The program's Web site, www.stern.nyu.edu/mc, contains on-line versions of most course materials for our 3-credit electives, making them accessible to students from any location. The site also pro-

vides electronic "chat rooms" for each of our courses and useful links to on-line writing labs and tutorials at other universities.

Integrative Strategy Exercise (ISE): A Multidisciplinary Approach

The Integrative Strategy Exercise (ISE) combines in one context practices from a variety of business disciplines: finance, accounting, management, marketing, and communication. The course also simulates the real-world practice of producing a group product under pressure.

The ISE is different from other courses in the Stern core. It does not focus on a particular functional area of business or type of business analysis. Instead, it is designed to help students develop skills that are critical to any business career, regardless of the particular function they choose or the analytical tools they use. While these skills can be acquired over time in the workplace, the ISE

participants gain a competitive edge by honing them before the beginning of their summer internship. The four skills emphasized in the ISE are (1) creating strategy to address a complex business situation; (2) integrating analysis across functional areas; (3) excelling at team decision making; and (4) communicating recommendations effectively to a demanding audience.

During the ISE, students built these four skills by working in teams, attempting to solve strategic issues facing a major company. Activities involve a combination of information gathering, analysis, decision-making, and communication. Throughout the course, teams receive guidance from two

Stern faculty members.

The ISE culminates with a final presentation to an executive board comprised of Stern faculty, alumni, and overseers, including industry experts. Each team has the opportunity to present its recommended strategy to this board and answer any questions they may have.

The ISE is one of Stern's truly integrative, cross-disciplinary initiatives. Faculty work with colleagues from other academic areas, and students profit by observing this interaction. Students, in turn, grapple with both hard data and uncertainty as they construct a persuasive presentation that simulates the demands of real-world organizational life.

Course Descriptions

Intercultural Communication

B45.2110

1.5 credits.

Communicating effectively across cultural boundaries is a major challenge for multinational organizations worldwide. The success of global communication has a significant impact on an international company's profits and competitive edge. This course examines the dynamics of communicating across national borders with the aim of enhancing analytical and personal skills in this subtle and complex area. It also counts as an International Business comajor course.

Management Communication

B45.2300

Prerequisite: Satisfactory completion of the writing proficiency requirement.

3 credits.

Recommended for all students, this course provides intensive development of communication techniques for all business executives. Develops the ability to write effectively and to speak persuasively. Stresses strategic implications of communication for managers. Students test theory and practice and examine problems raised by business cases and readings. Students learn how to prepare and deliver effective business presentations; design group and independent projects that develop communication strategies for selected audiences; understand the roles played by effective team leaders; manage communication within a multicultural environment; and work with new communication technologies. Group discussions,

workshops, and written and oral assignments develop and refine writing and speaking. Writing receives feedback; oral presentations are videotaped and individually reviewed. Topics include achieving credibility as a speaker, analyzing the audience, exploring leadership styles, and organizing material coherently and persuasively.

Management Communication: Alternative Delivery

B45.2300.0A

Prerequisite: Satisfactory completion of the writing proficiency requirement.
3 credits.

This course integrates strategies for managing oral and written communication using the case method, with intensive development of communication techniques. Introduces concepts of electronically mediated, persuasive, cross-cultural, and managerial communication in a number of business settings. Students receive individual feedback on written and oral presentations.

Management Communication (with an emphasis in Finance)

B45.2300

Prerequisite: Satisfactory completion of the writing proficiency requirement.
3 credits.

This course can support a career in investment banking and financial services. It focuses on improving analysis and solution of communication needs related to work in corporate financial management and in investment banks and other financial services companies. Students learn strategies

and techniques of communication that are applied in frequent oral presentations that are videotaped for review, in role plays, and in written assignments. Like Management Communication, this section offers extensive opportunities for feedback from the instructor and classmates. The course emphasizes achieving credibility as a speaker, analyzing the audience, organizing material concisely and persuasively, and presenting a compelling message. It differs from Management Communication, B45.2300, in using only finance-oriented assignments and in emphasizing the process of establishing and managing relationships with clients.

Sales and Communication Strategies

B45.2301

Prerequisite: Satisfactory completion of the writing proficiency requirement.
3 credits.

Recommended for students who plan to enter management consulting, human resource management, and training and development. Supports growth of all management and leadership skills. Emphasizes the interpersonal communication required to work effectively in organizations every day. The success or failure of managers often depends on their ability to work with others in developing options that will create commitment and agreement. Students analyze communication strategies and develop a framework for idea generation, influencing, and mediation. Individual and group oral presentations, coaching employee performance, negotiation, and media interviews.

Topics include persuasion, active listening, group decision making, interpersonal communication, and conflict resolution. Extensive coaching and feedback; videotaped evaluation and review.

Media and Management

B45.2302

Prerequisite: Satisfactory completion of the writing proficiency requirement.

3 credits.

The course examines the relationship between business and the media. Starting with an overview of corporate communication, students devise strategies and test theories of managing internal and external communication. The changing role of media in the Internet age and its affect on constituencies is examined. Students develop a perspective for communication with various constituencies, especially employees, shareholders, and the media. In this way, they determine how communication strategy supports

organizational strategy. The course features guest speakers from the fields of journalism, corporate communication, and communication consulting. Course work includes readings, case analyses, and oral and written reports. Selected topics include issue response and the Internet; managing outside pressure; communicating and managing in crises. The course satisfies one of the elective choices for attaining the certificate in digital economy and is also recommended as one of the management consulting track courses.

Business Writing

B00.2099

Pass/Fail.

Helps students improve their writing. Required for those who do not achieve a score of 4.0 or above on the writing section of the GMAT and recommended for those who wish to refine their skills. Focuses on communication strategy, persuasion techniques, information organization, audience analy-

sis, and the writing process. Other topics include effective style and expression, sentence structure, and business vocabulary. Assignments include letters, memos, reports, and case analyses. The class is conducted as a communication workshop. Students analyze their writing strengths and weaknesses and participate in one-on-one conferences and tutorials. Class size is limited to fifteen students.

Business Writing for International Students

B00.2055

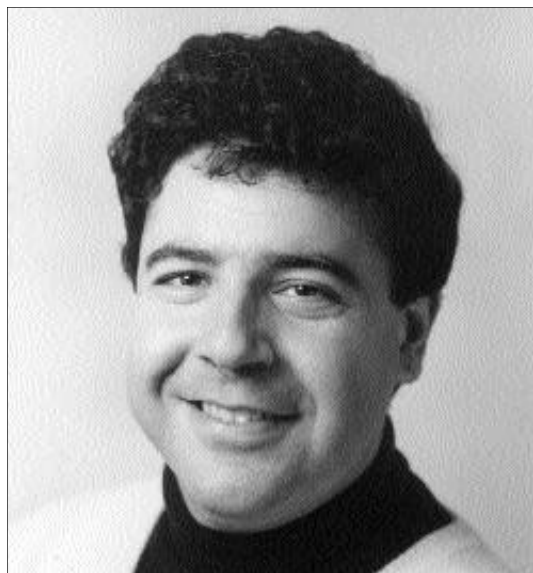
Pass/Fail.

Covers the same material as Business Writing, B00.2099, but is especially designed for international students. Approaches writing and oral communication through problems of language and emphasizes how American business culture influences the form and content of writing.

MANAGEMENT COMMUNICATION COURSES SUPPORT . . .	
Careers in Communication	Careers in Other Fields
Corporate Communication	Financial Consulting
Public Relations	Management Consulting
Marketing Communications	Operations Consulting
Strategy Consulting	Investment Banking
Public Information	Financial Analyst
Training and Development	Management
Human Resources	Information Systems
Investor Relations	

Marketing

Marketing is the proactive part of any organization. At the broadest level, it is responsible for determining consumer needs, translating those needs into products and services the firm can profitably offer, and effectively delivering and promoting those offerings to the marketplace. Marketing's activities are both strategic and tactical. At the strategic level, it bears primary responsibility for determining the product/market choices the firm makes based on analyses of demand, competition, economics, and the firm's unique ability to secure a competitively defensible position in the marketplace. At the tactical level, it plans for and implements such activities as marketing research, distribution, pricing, advertising, and sales promotion, which ensure the day-to-day success of the firm and its offerings in the marketplace.



The Department of Marketing curriculum prepares students for careers in product management, consulting, marketing management, and advertising. It is also training for careers in allied fields, such as finance, international business, and information systems. Furthermore, it prepares students to perform marketing functions in a wide range of industries, including financial services and entertainment industries. Marketing's perspective involves problem-solving

approaches for matching the market mix (products, services, distribution, advertising, and pricing) to the demand of market segments within the context of competitors, intermediaries, facilitators, mass media, and government.

Chairman: Joel H. Steckel

Professors: Henry Assael, Bruce Buchanan, C. Samuel Craig, John Czepiel, Susan Douglas, Avijit Ghosh, Jacob Jacoby, Robert Shoemaker, Joel Steckel

Associate Professors: Kim Corfman, Peter Golder, Eric Greenleaf, Priscilla LaBarbera, Vicki Morwitz, Durairaj Maheswaran

Assistant Professors: Lauren Block, Geeta Menon, K. Sudhir, Patti Williams

Clinical Associate Professors: Yuxin Chen, Michael Darling, Al Lieberman

Department Office: KMC, 44 West Fourth Street, 8th Floor

Courses in Marketing

All courses in marketing build on the foundation established by the core course, Marketing: Delivering Value to Customers and Business (B01.2310). While the only requirement for the marketing major is to take four courses beyond the core course, all majors are urged to take Brand Planning for New and Existing Products (B70.2365). Beyond this course, it is advisable to take one of the two courses that focus on strategic issues, either Competitive Marketing Strategy

(B70.2360) or Strategic Marketing Management (B70.2351).

The course offerings are grouped according to whether they are managerial or analytical in their focus. A combination of managerial and analytical courses is excellent career preparation. The listing also includes six mini-courses (1.5 credits) that have very strong managerial and industry focus.

Marketing: Delivering Value to Customers and Businesses

B01.2310

Prerequisites: B01.1303 and B01.1305.
3 credits.

For description, see page 17.

ANALYTICAL MARKETING COURSES

Introduction to Marketing Research

B70.2327

Prerequisites: B01.2310 and B01.1305 or equivalent. 3 credits. Fall and spring.

Emphasizes the organization, processes, and applications of marketing research in making marketing decisions. Topics include steps in marketing research, questionnaire construction, experimental design, sampling methods, tests of hypotheses, data analysis, evaluation of research costs to results achieved, and applications of research to marketing decision areas. Requires a research project involving data collection and analysis.

Consumer Behavior

B70.2347

Prerequisite: B01.2310 or equivalent. 3 credits. Fall and spring.

Studies the consumer as a decision maker. Examines social and psychological influences on purchasing decisions, emphasizing their implications for marketing strategy. Topics include the consumer as a decision maker; motivation concepts and their effect on behavior; images, attitudes, and their measurement; social and cultural influences on purchasing behavior; models of consumer behavior; applications to advertising, product, and segmentation strategies. Selected cases and projects.

Analysis and Management of Pricing and Sales Promotion Decisions

B70.2352

Prerequisites: B01.2310 and B01.1305. 3 credits. Spring.

Seeks to provide the student with the analytic background necessary for making effective brand management decisions in today's information-rich environment. Decisions related to prices and sales promotion are emphasized. The course stresses the practical application of recent conceptual and methodological developments, such as scanner data, controlled marketing experiments, and mathematical and behavioral models. The course focuses on extensive reviews of past empirical research cases, and the development and application of simple models and concepts.

Analytic Marketing for Management Consulting

B70.2354

Prerequisites: B01.2310 and B01.1305 or equivalent. 3 credits. Spring.

In problem solving, tools are better than answers. Give a man a chair, and he can sit down; give him a toolbox, and he can not only build a chair, but a bed and a house to live in, as well. With this as a premise, this course emphasizes many of the analytic marketing tools commonly used in the management consulting industry, many of them developed by the industry. The focus of the course is on using the analytic marketing toolbox (in the form of state-of-the-art software) to structure and solve problems, keeping in mind that the purpose of the tools is to produce qualitative insights from quantitative analyses. Problems addressed include new product forecasting, assessing market potential, uncovering competitive structure, market segmentation, product positioning, and pricing. Tools introduced include conjoint analysis, voice-of-the-customer analysis, diffusion models, and brand-switching analyses.

MANAGERIAL MARKETING COURSES

Advertising Management

B70.2309

Prerequisite: B01.2310 or equivalent. 3 credits. Fall and spring.

Develops a framework for managing the advertising function. Surveys advertising as it relates to the advertiser, the agency, and the media. Considers the creative approach, strategy, and tactics as related to the total marketing program. Covers the selection of target markets, establishing advertising objectives, budgeting, media planning, and the evaluation of advertising effectiveness.

Marketing of Financial Services

B70.2321

Prerequisite: B01.2310 or equivalent (can be taken concurrently). 3 credits. Spring. Not open to students who have taken B70.2121.

Explores the application of basic principles of marketing management to the marketing activities of financial service enterprises, such as stock exchange firms, banks, investment companies, and insurance companies. Considers the new competitive environment

resulting from deregulation. Examines the marketing strategies of financial institutions, especially emphasizing innovation in new product services. Attention is paid to research, planning, and strategic decision making and to preparing marketing plans for a financial service.

Entertainment, Media, and Technology: Institutions, Economics, and Strategy

B70.2341

Prerequisite: B01.2310 or equivalent. 3 credits.

This new course serves as a foundation for those interested in Stern's Entertainment, Media, and Technology (EMT). Students who intend to have a concentration in EMT should take this course first. The course provides a framework for understanding the key marketing, economic, and strategic issues facing organizations in the entertainment industry. Covers key sectors of the entertainment industry focusing on film, television, home video, cable, music, publishing, sports, and new media. Develops an understanding of the underlying financial and economic issues that impact performance such as intellectual property, switching costs, information asymmetry, economies of scale and scope, and network externalities. Strategic and managerial issues are addressed in terms of appropriate strategies for shaping and evolving the media and entertainment industries, as well as responding to developments in technology. The course utilizes lectures, case studies, and guest speakers.

Competitive Marketing Strategy

B70.2360

Prerequisite: B01.2310 or equivalent. 3 credits. Fall and spring.

Focuses on what marketing managers and executives need to know in order to create strategies that gain competitive advantage for products and businesses. It does this by giving students a deep understanding of the laws of pure strategy as applied to the competitive game of economic exchange. The course examines the ideas of strategy and competitive advantage in economic competition. It considers the sources and measurement of value in product offerings as well as the roles of technology and operations in creating value and competitive advantage. The course examines the ways that technological, social, and environmental changes

coupled with competitive actions make the game a dynamic one. Finally, it establishes a framework to use planning and strategizing techniques to create, plan, and evaluate strategy.

Brand Planning for New and Existing Products

B70.2365

Prerequisite: B01.2310 or equivalent.

3 credits. Fall and spring.

This course is designed to be of immediate practical value to students interested in brand management of new and existing products. Focuses on the application of marketing concepts, principles, and tools to the development of operating brand plans. Covers the collection, analysis, and interpretation of information required to assess market opportunity and competitive threat in a product category, and the development of marketing objectives, strategies, and tactical action programs using that information. Emphasis is also placed on issues of particular importance to new product planning, such as concept generation and screening, perceptual mapping, preference analysis, product testing and test marketing, and risk assessment.

International Marketing Management

B70.2385

Prerequisite: B01.2310 or equivalent.

3 credits. Fall and spring.

Examines the development of international marketing programs, from determining objectives and evaluating international market opportunities through coordinating strategies in world markets. Emphasizes application of marketing principles in the multinational environment.

Marketing High-Tech Products

B70.2390

Prerequisite: B01.2310 or equivalent.

3 credits.

Increasingly markets are affected by technology. Often, these markets are very dynamic and are characterized by uncertainty. These challenging environments require a new mind-set from managers. This course focuses on the decision problems faced by managers in creating, developing, and commercializing and managing technology-based products. The objective is to provide the conceptual frameworks and analytical tools required for managing fast-paced technology business. Uses a combination of texts, articles, lectures, discussions, and cases.

Foundations of Entrepreneurship

B65.3335

3 credits. Fall and spring.

This course offers a framework for understanding the entrepreneurial process and exposes the student to most problems and issues faced by entrepreneurs who start new businesses. Case study is the principal teaching method, supplemented by lectures, a business planning exercise, and guest speakers. Major objectives are for students to learn how to identify and evaluate market opportunities, develop a business concept and marketing plan, assess and obtain the required resources, and manage the growth of the new venture.

This course can count as a marketing elective and fulfill part of the requirements of the marketing major. However, it can be counted only as either a marketing elective or a management elective, but not both.

Supply Chain Management

B90.2306

Prerequisites: B01.1305 and B01.2312.

3 credits. Fall and spring.

The function of supply chain management is to design and manage the processes, assets, and flows of material and information required to satisfy customers' demands. Globalization of the economy and electronic commerce has heightened the strategic importance of supply chain management and created new opportunities for using supply chain design, strategy, and planning as a competitive tool. Electronic commerce has not only created new distribution channels for consumers but also revolutionized the industrial marketplace by facilitating interfirm communication and by creating efficient markets through trading communities. As a result, an explosive growth has occurred in business-to-business services, whose value proposition is based on supply chain coordination and optimization. Moreover, the combination of enterprise information infrastructure and the Internet has paved the way for a variety of supply chain optimization technologies. Therefore, the objectives of this course are

1. To impart analytical and problem-solving skills necessary to develop solutions for a variety of supply chain management and design problems and develop an understanding for use of information technology in supply chain optimization.
2. To develop the ability to incorporate B2B and B2C electronic commerce in supply chain design and optimization.
3. To understand the complexity of interfirm and intrafirm coordination in implementing programs such as *e-collaboration*, *quick response*, *jointly managed inventories*, and *strategic alliances*.
4. To develop the ability to design supply chains and formulate integrated supply chain strategy, so that all components are not only internally synchronized but also tuned to fit corporate strategy, competitive realities, and market needs.

Minicourses

Professional Management: Entertainment and Media

B70.2113

Prerequisite: B01.2310 or equivalent.

1.5 credits. Spring.

Provides students with an opportunity to learn about the specialized services provided by professional managers and advisers, both inside and outside entertainment and media companies. Examines the nature of the ser-

vices provided, how these services are being implemented through collaboration with industry creative and business executives, and how to evaluate the services. Lectures and informal discussions with entertainment and media lawyers, accountants, talent and literary agents, and publicity and advertising specialists. The course examines the range of skills required to complete a project, finance a product, or negotiate sponsorships successfully in movies, home video, sports,

cable, music, theatre, new media, and publishing. Cases and projects are used.

Globalization of the Entertainment Industry

B70.2112

Prerequisite: B01.2310 or equivalent.

1.5 credits. Fall.

Provides students with a framework for understanding the dimensions of globalization achieved by the entertainment and

media companies and their systems for expansion worldwide. Analyzes the strategy of several of the leading multinational entertainment conglomerates and the development of various leisure-time businesses within the world economic zones, including Europe, Pacific Rim, Latin America, Middle East, and North America. Compares the local entertainment business with products exported by multinationals. Examines emerging markets, including Eastern Europe, South Africa, and Russia. Selectively covers movies, home video, network broadcast in television and radio, music, cable, live entertainment, and theme parks as they have developed in major countries worldwide. Uses case studies and projects.

Internet Marketing: Technology, Strategies, and Law

B70.2125

Prerequisite: B01.2310 or equivalent.

1.5 credits. Fall.

This course surveys major marketing issues in doing business on the Internet. First, the course examines the possibilities that the Internet creates for marketing new goods and services, or for augmenting existing goods and services. In this part of the course,

students perform numerous Internet-based exercises to experience the capabilities firsthand. We explore the relationship between technology and perceived value on the part of potential customers, and we examine cases where marketers have created value over the Internet. We consider the challenge of marketing within the "Internet culture," where users rarely expect to pay for the information and services they receive. We examine the Internet in relation to sensible policies for product, promotion, and place. Finally, we look at the evolving "push" services and the possibilities they suggest for marketing. In the second part of the course, we consider strategic considerations on the Internet, which are influenced by such factors as low barriers to entry and exit, competitive pressures, and globalization. The central question we address is how to create sustainable competitive advantage within this environment. In the last part of the course, we consider some basic issues of trademark, copyright, and intellectual property law as they pertain to marketing strategy over the Internet. Students complete a term project in which they develop a proposal for introducing or augmenting a product or service using the Internet.

The Business of Sports Marketing

B70.2114

Prerequisite: B01.2310 or equivalent.

1.5 credits. Spring.

The business of sports has become a persistent and integral part of our economy, specifically in the multimedia and entertainment arena. This is a specialized course for the M.B.A. student interested in expanding knowledge of the sports industry as a business and as a world economic force. It provides students with a framework for understanding the scope of the sports business across the various leagues, the venues, the athletes, and their relationship to internal and external factors, the infrastructure, the professional support system, and the marketing applications that drive this complex and growing multibillion dollar industry. Through lectures by leading executives within the sports industry and professionals who provide the support system, along with selected readings, videos and case histories, the student will understand how the various parts of this complex process interface and interact.

Seminars in Advanced Study

Applied Multivariate Analysis

B70.3363

Open to Ph.D. students and to M.B.A. students with approval of instructor.

3 credits. Spring.

In-depth examination of issues related to analytical techniques in marketing. Covers multivariate analysis, scaling techniques, and applications of mathematical methods.

Special Research Topics in Marketing

B70.4372

3 credits.

An extensive literature review of two research topics identified by the instructor. Students write papers that review the relevant literature and develop a research design to describe data sources, hypotheses, and research methodology. A pilot study may be appropriate in some cases. General areas include consumer choice models, diffusion of innovations, cross-national market structures, information processing models, locational analysis, attitude theory, and applications of quantitative methodologies and models.

Research Implementation

B70.4374

3 credits. Spring.

Students define and investigate a research interest and complete a publishable paper. Students define the problem, formulate hypotheses, develop a research methodology to test hypotheses, specify an analytical design, and propose possible implications of the research.

Quantitative Applications in Marketing I

B70.4391

3 credits. Spring.

This course acquaints students with the state of the art in mathematical marketing models. The focus is on models of consumer and market behavior. In particular, utility theory, discrete choice models, stochastic models, multidimensional scaling, and hierarchical decision making are studied. These models are examined in the context of how consumers and the market react to marketing stimuli. The readings are drawn from leading marketing journals.

Quantitative Applications in Marketing II

B70.4392

3 credits. Fall.

Acquaints students with the state of the art in mathematical marketing models. The focus is on managerial models of advertising allocations, channel design, sales force allocation, sales promotion, pricing, product design, test markets, and competitive positioning. The readings are mainly drawn from leading marketing journals. Students develop their own models and papers on a topic of interest.

Behavioral Applications in Marketing I

B70.4381

3 credits. Spring.

This course is designed to provide a strong foundation for critical thinking in the area of consumer behavior. It examines topics primarily in the area of social psychology that have marketing applications. The primary focus is on how consumers process and integrate information such as advertising to form or change attitudes. The goal of this

course is not only to impart knowledge about a body of research but also to help the individual develop his or her own interests and preferences in consumer behavior-related issues.

Behavioral Applications in Marketing II

B70.4382

3 credits. Fall.

The first part of this course covers communication and public policy issues in consumer

behavior. It examines recent theory and research bearing on how communications and situational factors affect consumer behavior. In the process, students also become familiar with some related public policy issues, including deceptive and corrective advertising, and trademark-related matters.

The second part of the course introduces students to behavioral decision research. Topics covered include judgment under uncertainty, risk taking, and conflicting values.

Ph.D. Dissertation Seminar (Marketing)

B70.9901-9918

Open only to Ph.D. candidates. Staff.

1 to 18 credits.

Individual meetings with the dissertation adviser and members of the dissertation committee.

Operations Management: A Multidisciplinary Program

Virtually every sector of the economy has been shaken by revolutionary changes in the ways firms provide customers with goods and services. Effectively managing operations enables firms to gain a competitive advantage by creating cost leadership, quality superiority, flexible response to customer needs, and getting products and services to market quickly. Our mission is to equip 21st century managers with the ability and analytical skills to lead and manage complex and dynamic operating systems.



Our faculty is known for cutting-edge research on critical emerging operations and strategy issues. This research is reflected not only in the foundation core course, but also in the six advanced electives offered. We are a multidisciplinary group with expertise in mass customization, business process design, service operations, value chain management, environmental management, quality, distribution channel management, risk analysis, manufacturing systems design, and global operations strategy.

We consult and conduct research on real-world problems in a variety of industries and governmental agencies. These include banking, automobiles, telecommunications, electronics, machine tools, cosmetics, chemicals, pollution control, waste management, consumer goods, airlines, health care, steel, retailing, computers, utilities, and NASA.

We emphasize learning through experiential exercises, real-world cases, guest speakers, field visits, and hands-on field projects. We constantly stress the relationships between analytic and strategic perspectives.

Our business students envision themselves working in the fields of finance, accounting, marketing, information systems, product design, or human resources. All of these areas are closely involved with the production and distribution of goods and services, and the more managers know about the system that produces the firm's product, the better they are able to design,

market, finance, or manage the activities of the organization.

Working knowledge of today's key operations issues provides the ability and skills to build successful careers and contribute to the firm in many fields. As firms restructure in response to global challenges, ample opportunities exist for managers in every field to excel by analyzing and improving business operations. For example, an operations consultant or manager would acquire the skills necessary to undertake business process improvements, total quality management initiatives, and customer service improvements. A financial analyst or management consultant would be in a better position to evaluate a firm's strengths, weaknesses, and valuation by understanding how operations affect the firm's competitive position and long-term cash flow. A marketing manager, who understands operations would be better positioned to take multiple, simultaneous product development projects from conception through delivery, on time and on budget. This would allow firms to bring products to market more quickly, cheaply, and with better quality. A chief information officer or logistics director who understands operations would be in a better position to design and implement state-of-the-art manufacturing and service delivery systems.

If you are interested in an OM major or comajor, or you would like more information, visit the OM department offices, Tisch Hall, Room 700 or our Web site at

www.stern.nyu.edu/om. Call (212) 998-0280 or E-mail us at om@stern.nyu.edu, and make an appointment to speak with a faculty representative.

Area Chairman: Michael Pinedo

Professor: Manfred Padberg, Michael Pinedo, Eitan Zemel

Associate Professors: Ravi Anupindi, Michael Moses, Praveen Nayyar, Sridhar Seshadri, Harry Chernoff (Visiting)

Assistant Professors: Vipul Agrawal, Mor Armony, Vishal Gaur, Andrew King, Christopher Tucci, David Juran (Visiting)

Adjunct Professor: Fred Silverman

DEPARTMENT CORE COURSE

Competitive Advantage from Operations

ADVANCED DEPARTMENT COURSES

Decision Models

Operations Strategy

Supply Chain Management

Service Operations and Strategy

Operations Consulting: Design of Operations

Technological Innovation and New Product Development

Operations Consulting: Resource Management

Environmental Assessment Management and Strategy

Internal Consulting Practicum

Department Core Course

Competitive Advantage from Operations

B01.2114

1.5 credits

This minicourse serves as an introduction to Operations Management. We approach the

discipline from the perspective of the *general manager*, rather than the functional specialist. The coverage is intense and very selective, concentrating on a small list of powerful themes that have emerged as the central building blocks of world-class orga-

nizations. The course also provides tools and concepts from operations management that have proven extremely useful over the years. The topics discussed are equally relevant in the manufacturing and service sectors.

Advanced Department Courses and Outside Electives

Operations Strategy

B65.3355

3 credits

This course is based on the premise that a firm's operations can and should play an important role in building and shaping its competitive posture. It develops a framework for allocating resources and managing the operations function in ways that distinguish firms in the highly competitive global marketplace. Students learn to

- recognize the strategic and policy implications that can be gained from managing the operations function
- analyze, develop, and formulate corporate and business-level strategies to exploit such opportunities
- highlight the similarities and differences in North American, European, and Japanese approaches to operations
- examine the role played by cultural and institutional practices on each nation's competitive advantage in operations

Supply Chain Management (Business Logistics)

B90.2306

3 credits

The function of supply chain management is to design and manage the processes, assets, and flows of material and information required to satisfy customers' demands. Globalization of the economy and electronic commerce has heightened the strategic importance of supply chain management and created new opportunities for using supply chain design, strategy, and planning as a competitive tool. Electronic commerce has not only created new distribution channels for consumers but also revolutionized the industrial marketplace by facilitating interfirm communication and by creating efficient markets through trading communities. As a result, an explosive growth has occurred in business-to-business services, whose value proposition is based on supply chain coordination and optimization.

Moreover, the combination of enterprise information infrastructure and the Internet has paved the way for a variety of supply chain optimization technologies. Therefore, the objectives of this course are

1. To impart analytical and problem-solving skills necessary to develop solutions for a variety of supply chain management and design problems and develop an understanding for use of information technology in supply chain optimization.
2. To develop the ability to incorporate B2B and B2C electronic commerce in supply chain design and optimization.
3. To understand the complexity of interfirm and intrafirm coordination in implementing programs such as *e-collaboration*, *quick response*, *jointly managed inventories*, and *strategic alliances*.
4. To develop the ability to design supply chains and formulate integrated supply chain strategy, so that all components are not only internally synchronized but also tuned to fit corporate strategy, competitive realities, and market needs.

Service Operations and Strategy

B65.3357

3 credits

This course is designed to prepare students to manage service businesses and/or service operations in manufacturing firms. The objective is to focus attention on some unique aspects of service businesses and relate these aspects to service operations and strategy. For example, some of the issues this course covers include

- What impact does intangibility have on corporate and business strategy and operations in service businesses?
- What is the impact of simultaneous production and consumption of services on how service delivery systems are designed and managed?
- What impact do customers have on service quality and productivity of service firms?

- What unique organizational designs are needed to manage a service business?

Consistent with the need to emphasize an integrative multidisciplinary perspective on service operations and strategy, students are asked to undertake a project assignment to design a complete service business starting from idea to incorporation.

Operations Consulting: Design of Operations

B90.2307

3 credits

Enhancing the effectiveness and productivity of operations is a major goal of most organizations. Designing the operations of a firm will be critical to achieving this goal. This course aims to develop an understanding of the components that make up an integrated operating system and to impart modeling skills for understanding the design tradeoffs. The objectives of the course are to

- develop skills for designing and improving operations
- demonstrate the wide applicability of modeling methodology to different functional areas, with emphasis on manufacturing and service operations
- provide insights into actual business practices and outline the scope for applying the modeling and design ideas developed in this course
- develop optimization and simulation modeling skills

Technological Innovation and New Product Development

B65.3356

3 credits

Technological innovation and new product development are critically important to the creation of business opportunities and sustenance of wealth. This course offers perspectives and frameworks that seek to understand technological innovation and NPD at different levels of analysis, including the firm, industry, and national levels. The course

addresses issues pertaining to the discovery, development, and diffusion of technological advances. For example, we attempt to understand the innovation process in both start-up and established firms, and when established firms have an easier (or more difficult) time bringing a new product to market and appropriating profits from it. We also provide frameworks for assessing new technological and business opportunities. Students are expected to analyze and evaluate technological opportunities using the frameworks and techniques presented in the course. The course is complementary to other course offerings at the Stern School and builds on the emerging interest in technology, innovation, and change within the management department, the operations management department, the Stern School, and the outside business world. Most students who take the course have career interests in consulting (operations or management), general management, entrepreneurship, technology/new media, or marketing, but students from all disciplines are welcome.

Operations Consulting: Resource Management

B90.2127

1.5 credits.

This course has been designed to explore advanced scheduling problems and scheduling approaches and techniques that have been developed in practice. The main objectives are (1) to improve student skills in advanced scheduling problems and (2) to understand the different scheduling approaches and techniques that have been implemented in practice. The first part of the course describes a number of standard techniques for modeling typical scheduling problems that occur in practice. The problems considered are project scheduling, resource scheduling, workforce scheduling, and reservation systems used in services. A

special computer-based modeling package is utilized. The second part of the course describes a number of standard and generic solution techniques for dealing with all these problems. The last part of the course describes how to implement the solution technique in an information system framework. Several firms that have implemented these techniques make in-class presentations of their triumphs and tragedies along the road to successful implementation. These studies are particularly useful for students who look forward to careers where the actual implementation of models in an important job component.

Environmental Assessment Management and Strategy

B65.3379

3 credits.

Modern firms must manage their impact on the natural environment to maintain access to valuable resources and to avoid conflict with communities or government. Modern strategic consultancies now have large and growing practices in environmental management. This course teaches students how to analyze and manage environmental issues in business. Students learn how to integrate environmental issues into operational and financial decisions; how to develop business strategies that minimize both environmental and financial risk; and how firms can benefit from corporate greening.

The course emphasizes cases, computer simulations, and negotiation exercises to teach game theory, strategic planning, and other management skills. It employs analytic and simulation models to explore common property resource problems, to explore industrial and environmental change, and to predict the impact of governmental regulation.

Finally, the course covers unresolved issues in environmental science and man-

agement, and reviews potential future environmental problems. This course counts towards a major in management, operations management, or international business. Students should have taken microeconomics.

Decision Models

B90.2350

3 credits.

This course introduces the basic principles and techniques of applied mathematical modeling for managerial decision making. Students learn to use some of the more important analytic methods (e.g., spreadsheet modeling, optimization, Monte Carlo simulation) to recognize their assumptions and limitations and to employ them in decision making. Students learn to

- Develop mathematical models that can be used to improve decision making within an organization.
- Sharpen their ability to structure problems and to perform logical analyses.
- Translate descriptions of decision problems into formal models and investigate those models in an organized fashion.
- Identify settings in which models can be used effectively, and apply modeling concepts in practical situations.
- Strengthen their computer skills, focusing on how to use the computer to support decision making.

The emphasis is on model formulation and interpretation of results, not on mathematical theory. This course is aimed at M.B.A. students with little prior exposure to modeling and quantitative analysis, but it is appropriate for all students who wish to strengthen their quantitative skills. The emphasis is on models that are widely used in diverse industries and functional areas, including finance, operations, and marketing.

Statistics and Operations Research

Courses offered in the Department of Statistics and Operations Research are divided into three categories: (1) statistics, (2) operations research, and (3) actuarial science.

Statistics courses cover theory and techniques relating to the application of the mathematical theory of probability to decisions that must be made in the face of uncertainty. Statistical theory is used in a variety of applications, such as sampling, data analysis, design of market research studies, quantitative methods in cost accounting, statistical control of quality of manufactured products, economics forecasting, and financial modeling. Statistical computing algorithms are used for analyzing data and statistical estimation.



Operations research courses cover the theory and application of mathematical modeling techniques for analyzing and simulating business functions. Courses emphasize applications in economics, finance, operations management, marketing, and other functional areas in business and administration. The courses cover theoretical developments and mathematical techniques integrated with the computer to solve deterministic and stochastic problems in resource allocation, short-term and long-term finance, transportation, routing, scheduling, inventory, and related areas. Operations research methods are used extensively on applications to the field of operations management. For more details, see the description of the Department of Operations Management on page 78.

Actuarial science courses prepare students for an actuarial career, which enables them to apply probability and statistics to the fields of insurance and pensions. The courses in actuarial science and related fields of probability, statistics, economics, and finance cover all of the material that appears in the first two examinations jointly sponsored by the Society of Actuaries and the Casualty Actuarial Society. Other courses at Stern cover portions of examinations three and four.

Students may wish to develop quantitative skills from a tailored track of statistics and operations research courses that produce a major or double major with a functional area. The most popular tracks are quantitative finance and in particular financial engineering, market research, and management consulting.

The programs in the Department of Statistics and Operations Research offer students the theory and techniques to solve business problems. Each course emphasizes the application of statistical and operations research methods to actual business problems. The applied courses make extensive use of computers.

The Department of Statistics and Operations Research faculty has won world-wide recognition for its scholarship. *Esquire Magazine* (November 1999), for example, selected the department as one of the 20 centers of genius for the next millennium. Faculty members have won international awards for their research and for their skill as teachers. Their activities include government advisers, consultants to industry, and journal editors.

Students may select statistics and operations research as a major field for the M.B.A. and the Ph.D. degrees. In addition, an M.S. (in Statistics and Operations Research) is offered. The M.B.A. and M.S. (in Statistics and Operations Research) degrees may also be taken with a specialization in actuarial science.

A student considering courses in the Department of Statistics and Operations Research beyond the basic core should speak to a faculty member about prerequisites and career objectives before designing and registering for an academic program. In certain instances, instructors may waive prerequisites for an advanced course.

The Department of Statistics and Operations Research offers courses for students without a rigorous mathematical background. These are generally but not exclusively computer intensive courses that develop skills in quantitative techniques. For the most part, the only prerequisite for these courses is Statistics and Data Analysis B01.1305. These courses are open to students majoring in any department. They can be found from the Web page, www.stern.nyu.edu/sor, under the heading M.B.A. Electives for Majors in All Departments.

In addition to the curricular program, the department offers an extensive array of extracurricular activities that offers students additional exposure to problem solving with mathematical models. Student sponsored clubs include the actuarial science club and the financial engineering association. Weekly department seminars and all-day symposia are dedicated to special topics where speakers come from both industry and academe. Further, the department runs a Professor-in-Residence Program where high-profile academics visit and present a series of lectures on their special area of research.

Chairman: Edward L. Melnick

Professors Emeriti: Gerald Glasser, Irwin Kabak, Ernest Kurnow, Melvin Shakun

Professors: Richard Brief, Samprit Chatterjee, Clifford Hurvich, Edward Melnick, Joel Owen, Manfred Padberg, Donald Richter, Gary Simon, Jeffrey Simonoff, Aaron Tenenbein

Associate Professors: Halina Frydman, Peter Lakner

Assistant Professors: Xianghui (Sean) Chen, Rohit Deo

Adjunct Professors: Cyrus Mohebbi, Richard Tashjian

Adjunct Associate Professors: Paul Hoppe, Hans Levenbach, Jeffrey Shaw

Department Office: KMC, 44 West Fourth Street, 8-160, 8th Floor

Web Site: www.stern.nyu.edu/sor

RECOMMENDED ELECTIVES FOR STUDENTS IN OTHER MAJORS

Students who major in other departments and wish to take electives in statistics and operations research can choose among any of the courses listed in the catalog and department Web site under the suggested programs.

MASTER OF SCIENCE (IN STATISTICS AND OPERATIONS RESEARCH)

The Master of Science (in Statistics and Operations Research) Program is for students wishing greater concentration in statistics or operations research without the broad requirements of the M.B.A. Program.

Because at least seven of the twelve courses required in this program are taken in the Department of Statistics and Operations Research, students develop a deeper understanding of the subject and a broader sense of its applicability. For detailed requirements, see pages 30-31.

MASTER OF SCIENCE (IN MATHEMATICS/STATISTICS AND OPERATIONS RESEARCH)

This is a cooperative program between the Department of Statistics and Operations Research of the Stern School and the Department of Mathematics of the Courant Institute of Mathematical Sciences, Graduate School of Arts and Science. It provides stu-

dents with a foundation in both mathematics and statistics and operations research. For details, see pages 27-29.

SPECIALIZATION IN ACTUARIAL SCIENCE

Students enrolled in the M.B.A. or the M.S. (in Statistics and Operations Research) Programs may specialize in actuarial science. The courses in actuarial science and related fields of probability, statistics, economics, and finance cover all of the material that appears in the first two examinations jointly sponsored by the Society of Actuaries and the Casualty Actuarial Society. Other courses at Stern cover portions of examinations three and four.

SPECIALIZATION IN MARKETING RESEARCH

M.B.A. students who are interested in market research should take courses both in marketing and in statistics and operations research. For more information, consult the department chairman.

COURSES IN STATISTICS AND OPERATIONS RESEARCH

Core Course

Statistics and Data Analysis

B01.1305

Prerequisite: B00.2002 (see page 14, "Proficiency in Mathematics and Calculus," for details on the required mathematical background). Department of Statistics and Operations Research staff. 4.5 credits.

For description, see page 16.

M.B.A. ELECTIVES FOR MAJORS IN ALL DEPARTMENTS

The Department of Statistics and Operations Research offers courses for M.B.A. students interested in applications of quantitative methods to various phases of business activity. These courses may also be taken by statistics and operations research majors to meet major course requirements. The only prerequisite for these courses is B01.1305, with the exception of B90.2309 and B90.2310. B90.2XXX courses emphasize applications and present the theory with intuitive arguments. B90.3XXX courses emphasize methodology that are illustrated with applications.

Regression and Multivariate Data Analysis

B90.2301

Prerequisite: B01.1305. 3 credits. Fall and spring.

A data-driven, applied statistics course focusing on the twin subjects of regression and multivariate data analysis. This course emphasizes applications to the analysis of business data and makes extensive use of computer statistical packages. Topics include the analysis and management of data, multiple linear and nonlinear regression, selection of variables, residual analysis, model building, autoregression, and multicollinearity. Topics in multivariate data analysis include principal components,

analysis of variance, categorical data analysis, factor analysis, cluster analysis, discriminant analysis, and logistic regression. All topics are illustrated on data sets obtained from the financial markets, market research studies, and other scientific inquiries.

Forecasting Time Series Data

B90.2302 or B90.3312

Prerequisite: B01.1305. 3 credits. Fall and spring.

Presented in this course are practical time series forecasting techniques with emphasis on the Box-Jenkins (ARIMA) method and conditional volatility (ARCH/GARCH) models. Provided is a mix of practical data analysis as well as an introduction to the relevant theory. The ARIMA models are used to forecast series like interest spreads while ARCH models are used in estimating and forecasting the volatility of series like stock returns and exchange rate returns. Students analyze data sets of their own choice in projects. Additional topics of interest covered in the course are methods of testing for nonstationary (Dickey-Fuller tests) as well as models for capturing seasonality as seen for example in series of monthly sales figures. The low-cost forecasting method of exponential smoothing is discussed and its connection to the RiskMetrics™ methods of J. P. Morgan and GARCH models is explored. If time permits, we also study methods of forecasting multivariate time series, where information from several series is pooled to forecast a single series. The concept of co-integration or comovement of multivariate series is discussed (interest rates being a prime example) along with their implications for forecasts. Other potential topics in the course include the use of ARCH models in value at risk (VAR) analysis and in option pricing.

Applied Stochastic Processes for Financial Models

B90.2308

Prerequisite: B01.1305. 3 credits. Fall and spring.

The purpose of this course is to present mathematical background for the stochastic processes that are widely employed as modeling tools in finance. The emphasis is on the intuitive approach and examples rather than on proofs or mathematical rigor. The course includes the following topics: random walks, martingales, Brownian motion, Geometric Brownian motion. The relevance of the con-

sidered processes to financial modeling is stressed throughout. In particular, the Cox, Ross and Rubinstein, and the Black-Scholes Models for pricing stock options are discussed. In addition, the Ho and Lee, Black-Derman and Toy, and the ox-Ingersoll-Ross Models for pricing interest rate derivative securities are discussed.

Mathematics of Investment

B90.2309

Prerequisite: One semester of undergraduate calculus or permission of the instructor. 3 credits. Fall.

The course discusses mathematical and technical aspects of investments. Topics include measurement of interest and discount rates, accumulated value and present value, annuities, sinking funds, amortization of debt, and determination of yield rates on securities. Applications include bond evaluation, mortgages, capital budgeting, depreciation methods, and insurance.

Introduction to Operations Research

B90.2310

Prerequisites: B01.1305 and one semester of undergraduate calculus or permission of the instructor. 3 credits. Spring.

This is an introductory course that trains students to use the basic tools in operations research. Students are exposed to a variety of managerial situations requiring them to formulate operations problems and to select and implement appropriate solution methodologies. Topics include optimization techniques such as linear programming, network models, inventory management, waiting-line analysis, and dynamic programming. Students are required to use computer software to solve typical problems and analyze the outputs.

ELECTIVES IN STATISTICS, OPERATIONS RESEARCH, AND ACTUARIAL SCIENCE

These electives are open to all students (M.S., M.B.A., and Ph.D.) who have the required mathematical prerequisites (two semesters of calculus and one semester of matrix algebra at the graduate or undergraduate level). Typically students who majored in engineering or mathematics would automatically satisfy this requirement.

Courses in Statistics

Introduction to the Theory of Probability

B90.3301

Prerequisites: two semesters of calculus. 3 credits. Summer, fall, and spring.

This course covers the basic concepts of probability. Topics include the axiomatic definition of probability; combinatorial theorems; conditional probability and independent events; random variables and probability distributions, expectation of functions of random variables; special discrete and continuous distributions, including the chi-square, t, and F distributions; joint distributions with emphasis on the bivariate normal distribution; law of large numbers, central limit theorem; and moment generating functions. The theory of statistical estimation is introduced with a discussion on maximum likelihood estimation.

Statistical Inference and Regression Analysis

B90.3302

Prerequisites: B90.3301 and one semester of linear algebra. 3 credits. Fall and spring.

The course has two distinct components: statistical inference and regression analysis. Topics included in statistical inference are principles of statistical estimation and inference, Neyman-Pearson Lemma, testing of means, variances, tests of independence, nonparametric methods. Regression analysis focuses on the general linear regression model; least squares estimation, departures from standard assumptions; autocorrelation, multicollinearity; analysis of residuals; choice of variables; nonlinear models.

Sampling Techniques

B90.3308

Prerequisite: B90.3302 or permission of

the instructor. 3 credits. Fall.

Considers commonly used sampling schemes, such as simple, random, stratified, multistage, and double sampling, and studies their efficiency. Studies methods of estimation, including ratio and regression. Other topics include poststratification, multivariate surveys, analytic studies, problems of nonresponse, nonsampling errors, and randomized response technique. Theory is illustrated with examples from diverse fields.

Regression and Multivariate Data Analysis

B90.3311

For doctoral students only. 3 credits.

Fall and spring.

Same as B90.2301. For description, see page 83.

Forecasting Time Series Data

B90.3312

For doctoral students only. 3 credits.

Fall and spring.

Same as B90.2302. For description, see page 83.

Statistical Computing and Sampling Methods with Applications to Finance

B90.3314 or B90.2314

Prerequisite: B90.3302 or permission of the instructor. 3 credits. Fall.

This course covers most of the classical and modern Monte Carlo methods for statistical estimation. In particular, the fast growth of Monte Carlo Markov Chain (MCMC) methods has enabled the use of Bayesian inference in many applied fields. Methodologies are illustrated with financial applications such as estimation of implied volatility and risk measures. Examples are drawn from published research and survey papers in current literature (Risk Magazine, J. P. Morgan's

Risk Metrics). The course integrates three basic components of statistical analysis in financial areas:

- modeling and inference (with emphasis on Bayesian methodology)
- computing and sampling methods for statistical estimation (with emphasis on MCMC)
- applications to financial data (with emphasis on volatility and risk)

The focus is placed on the second component, bridging the gap between what can be said in theory (first component) and what can be done in practice (third component). The goals of the course are modest so that a full treatment of all major topics can be achieved.

Advanced Theory of Probability

B90.3352

Prerequisites: B90.3301 plus 2 semesters of calculus. 3 credits. Spring.

This course is designed for M.S. students in statistics and Ph.D. students in all disciplines. The aim of the course is to establish a comprehensive foundation of the theory of probability. The topics covered are basic measure theory, random variables, and induced measures and distributions; independence of random variables; integration in a probability space with emphasis on Conditional Expectation and martingales; modes of convergence of random variables including almost sure convergence, convergence in L^p , convergence in probability and convergence in distribution; characteristic functions and the inversion formula; the central limit theorem for independent identically distributed random variables and also for martingale differences. If time permits, additional topics will include functional central limit theorems and their applications.

Courses in Operations Research: Stochastic Processes, Optimization, and Probability

Introduction to Stochastic Processes

B90.3321

Prerequisite: B90.3301. 3 credits. Fall.

This is an introductory course in stochastic processes. Its purpose is to introduce students into a range of stochastic processes, which are used as modeling tools in diverse fields of applications, especially in the business appli-

cations. Introduces the most fundamental ideas in the area of modeling and analysis of real-world phenomena in terms of stochastic processes. Covers different classes of stochastic processes, such as discrete and continuous-time Markov chains, discrete and continuous time martingales. A significant portion of the course is devoted to the study of the Brownian motion process, as well as to

study of the Ito stochastic calculus. In particular, the concepts of the Ito stochastic integral, Ito differentiation rule, and Ito stochastic differential equation are discussed. Presents various applications of the underlying theoretical concepts with emphasis on the application to financial modeling and financial engineering.

***Stochastic Models for Finance I:
Equity and Currency Market***

B90.3323

Prerequisite: B90.3321. 3 credits. Spring.

This is a course on mathematical methods

for modeling financial markets with emphasis on valuation of financial derivatives. The topics include concepts of arbitrage, equivalent martingales measures, price systems with finite and infinite state space, Black-

Scholes valuation formula, Girsanov's theorem, general contingent claims pricing, valuation of European and American options, and estimation of the volatility of the asset prices.

***Dissertation
Seminar***

***Data Mining in Finance:
Intelligent Information Systems
and Computer Intensive
Methods for Financial Modeling
and Data Analysis***

B90.3355

Prerequisites: to be announced. 3 credits.

This course develops links between information systems, statistics, and finance. It pre-

sents the foundations of data mining methods and their computer implementations. It applies them to current problems in finance, including the building and evaluating of trading models and the managing of risk. Assignments are weekly hands-on lab homeworks as well as an in-depth group project carried out in conjunction with a major Wall Street firm.

Dissertation Seminar

B90.9900

Open only to doctoral students with the permission of the instructor-in-charge.

9 credits per term. Fall and spring.

Individual meetings with the dissertation adviser and members of the tentative reading committee on the dissertation. Occasional group meetings.

***Specialization
in Actuarial
Science***

Students completing either the M.B.A. or M.S. (in Statistics and Operations Research) Program with a specialization in actuarial science will be prepared for the actuarial examinations of the Society of Actuaries and the Casualty Actuarial Society.

The M.B.A. Program meets the needs of students wishing to specialize in actuarial science and to obtain a broad background in applied business areas that interest the actuary (such as information systems, accounting, finance, economics, marketing, and management).

The M.S. (in Statistics and Operations Research) Program meets the needs of the students wishing to specialize in actuarial science and to apply the methods of statistics and operations research to actuarial and insurance problems.

A student enrolled in the M.S. (in Statistics and Operations Research) or the M.B.A. Program should complete the courses listed below.

**STATISTICS AND OPERATIONS
RESEARCH COURSES**

Forecasting Time Series Data

B90.2302

For description, see page 83.

Mathematics of Investment

B90.2309

For description, see page 83.

***Introduction to Operations
Research***

B90.2310

For description, see page 83.

***Introduction to the Theory of
Probability***

B90.3301

For description, see page 84.

FINANCE COURSES

Foundations of Finance

B01.2311

For description, see page 17.

Corporate Finance

B40.2302

For description, see page 53.

ECONOMICS COURSES

***Understanding Firms and
Markets***

B01.1303

For description, see page 16.

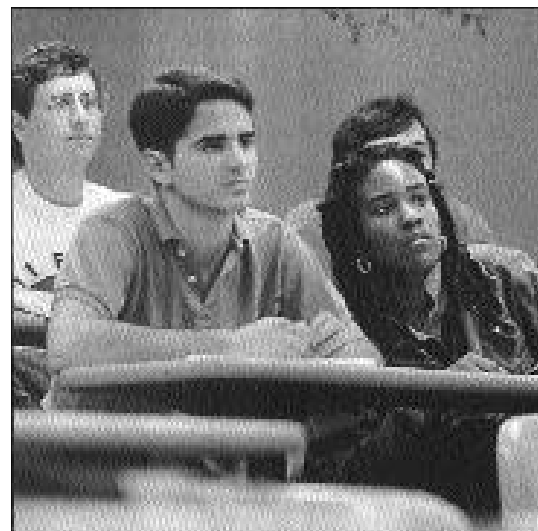
Global Business Environment

B01.2303

For description, see page 17.

M.B.A. Program Initiatives

Among the most innovative and popular study options at Stern are the ever-evolving program initiatives. These collections of courses are based on educational and research activities on issues that do not fall naturally into an existing discipline but rather cross several different academic areas. These industry-oriented program initiatives, unique to Stern, further focus your course work and give you a distinctive edge if you pursue a career in one of these fields or even if you are only interested in developing additional skills in a nontraditional area.



Digital Economy

The development and spread of networked computing technology is creating unparalleled opportunities and challenges for business, the economy, and society today. The combination of new technologies and new business models is creating entirely new markets, industries, and work practices. At the same time, these developments raise increasing challenges for privacy, security, and intellectual property. The Stern School digital economy initiative offers exceptionally strong educational programs building directly on the most recent faculty research and on our close ties with e-commerce firms.

For M.B.A. students graduating before May 2001, we offer a certificate for students interested in specializing in the digital economy. In order to complete the certificate, in addition to the M.B.A. core and a departmental major, students must take the digital economy required core course, B20.3338, Electronic Commerce and 6 additional credits of course work (not including B20.3338) from the following set of courses:

Accounting and Valuation in Entertainment, Media and Technology Industries
B10.3355

Information and Internet Technologies
B20.2317

Advanced Internet Marketing
B20.2325/ B70.2325

Design and Development of Web-Based Systems (formerly Advanced Software)
B20.3322

Field Studies: The New Economy
B20.3330/ B70.3330

Telecommunications and Coordination Technology
B20.3331

Data Mining in Finance
B20.3355/ B90.3355

Data Mining and Knowledge Systems
B20.3336

IT Impact on Media Industry
B20.3357

Telecommunications Economics and Digital Convergence
B30.2345

Information and the Organization of the Firm
B30.2367

Information in the Marketplace
B30.2368

Corporate Finance in EMT Companies
B40.3125

Venture Capital Financing
B40.3173

Entrepreneurial Finance
B40.3361

Media and Management
B45.2302

Competitive Management from Technology
B65.3331

Technology Innovation and New Product Development
B65.3356

Strategy and Entrepreneurship in the Media and Entertainment Industry
B70.2117

Internet Marketing: Technology, Strategies, and Law
B70.2125

Marketing of Technology-Based Products
B70.2390

Supply Chain Management
B90.2306
For M.B.A. students graduating in May 2001 or later, we are seeking approval for a 12-credit comajor in digital economy to be offered beginning with May 2001 graduates. If approval is granted for the comajor, the certificate program will be dropped after Jan-

uary 2001 and only the comajor program will be supported beginning with May 2001 graduates.

For information about the Digital Economy Initiative or the M.B.A. Digital Economy Certificate Program, contact dei@stern.nyu.edu.

Entertainment, Media, and Technology Program (EMT)

The Stern School of Business has established a leading-edge program that focuses on the entertainment, media and technology (EMT) industries. This program initiative allows students to examine business in these critical industries, including film, TV, cable, music, publishing, as well as various forms of new media. The goal of this program initiative is to train students for challenging and rewarding careers in this group of inter-related businesses. The program is designed to prepare the next generation of leaders to take these dynamic and growing businesses well into the 21st century.

Students in Stern's EMT initiative gain a framework for understanding the strategy and operating principles that drive the individual components or sectors of the entertainment industry, the financing of start-ups and product development, the marketing and management of the companies, and the relevant technology connecting the product with the consumer. While the primary emphasis of the program is on the business activities that support content creation and the media used to deliver content, students also study the technology employed to create and deliver content.

Stern's EMT initiative is unique within a business school. With a focus on both the business and content aspects of the entertainment industries, Stern's EMT initiative has grown rapidly and now offers students a range of different courses that cover key aspects of the EMT industries. In addition to a structured curriculum, the initiative relies on industry speakers to augment the classroom experience.

Top executives from entertainment companies are frequent visitors to classes. They provide firsthand insights into content development, deal making, and the impact of technology and globalization on the diverse sectors of the EMT industries. The role of new

entrepreneurial ventures in changing business relationships is also studied. Students have the opportunity to analyze business cases, often with professors who have extensive EMT experience and who continue to maintain important ties with the industries. At various times, the EMT courses analyze the leading companies in the industry, including Disney/ABC, SONY, News Corporation, Time-Warner, Seagram/Universal, Bertelsmann, and Viacom/CBS. The Stern School's proximity to Silicon Alley and the entertainment and media giants headquartered in New York City enables us to create a truly exciting and dynamic program initiative.

Students in the EMT initiative take a major such as marketing, finance, management, and then select from among the various EMT courses to develop an in-depth understanding of the industries and the skills necessary to be successful. The EMT courses being offered at Stern are listed below. For more information, visit the EMT Web page at www.stern.nyu.edu/emt.

Entertainment, Media, and Technology: Institutions, Economics, and Strategy
B70.2341

Globalization of the Entertainment Industry
B70.2112

Professional Management in Entertainment and Media
B70.2113

The Business of Sports Marketing
B70.2114

Business of Producing: Entrepreneurship in the EMT Industries
B70.2116

Strategy and Entrepreneurship in the Entertainment and Media Industries
B70.2117

Marketing Hi-Tech Products
B70.2390

Advertising Management
B70.2309

Field Studies in the New Economy (cross-listed with B20.3330)
B70.3330

Accounting and Valuation in the EMT Industries
B10.3325

Electronic Commerce
B20.3338

IT Impact on Media Industries
B20.3357

Telecommunications: Economics and Digital Convergence
B30.2345

Strategy and Finance in EMT Companies
B40.3160

Corporate Finance in EMT Companies
B40.3125

Quantitative Finance

The quantitative finance program initiative prepares students for careers in finance that are more mathematically demanding than the typical M.B.A. paths. In recent years we have seen an increase in the demand for analytical skills in the financial service industries. Understanding recent develop-

ments in financial markets and products requires a degree of sophistication not only in finance, but also in stochastic processes, statistics, and applied economics. Courses within both the finance and the statistics and operations research departments allow students to pursue advanced work in these

areas. The financial instruments taught prepare students to enter the financial world with knowledge of still-developing assessment techniques. Substantial knowledge of calculus and matrix algebra is required for this increasingly popular area of study.

Law and Business

As young people prepare to participate in the beneficial and stimulating world of economic and business activity, they seek training to help them act effectively. Whether these young people ultimately act as entrepreneurs or as members of large organizations, whether they practice as legal or finance professionals or use their training and education elsewhere, they will be better able to understand and act effectively in the world—both as businesspeople and as citizens—if they critically understand the ways in which law can and does affect the form and the content of potential transactions. That is why teaching students about the interaction of law and business is one of the primary focuses. To this end, the Center for Law and Business is leading the charge with

its mission to enrich the curriculum of both NYU's School of Law and its Stern School of Business by creating new courses and working to encourage broader access to cross-disciplinary studies. Joint-degree programs in law and business are more than most students need, but a core of courses that permit law and business students to learn essential aspects of each other's fields, and to learn together in joint classes, enrich and improve professional education for both business and law. The first offerings have been innovative, jointly taught courses focused on such things as mergers and acquisitions, the public raising of capital, corporate governance, and private contract negotiations. These initial courses provide a model for the development of a broader teaching curriculum in

coming years. New courses, just like our existing ones, will focus on the intersection of law and business.

Courses include the Law and Business of Investment Banking (cotaught by William Allen, Professor of Law, Clinical Professor of Business and Arthur Rosenbloom, Stern Adjunct Faculty, Managing Director, CFC Capital Corp.); Restructuring Firms and Industries/Agency Problems and Corporate Governance (taught by David Yermack, Stern Assistant Professor of Finance); and Entrepreneurial Finance (cotaught by Roy C. Smith, Kenneth Langone Professor of Entrepreneurship and Finance and a Limited Partner of Goldman, Sachs & Co. and Helen Scott, Professor of Law at NYU School of Law).

Real Estate Finance

The real estate finance program initiative at Stern has been designed for students interested in pursuing a career in real estate finance. Students can obtain a comprehensive review of all aspects of real estate finance through the basic real estate sequence offered at Stern, supplemented by advanced courses offered elsewhere within the University. The courses are taught using a combination of lectures and intensive case study analyses by faculty members at Stern in cooperation with outstanding practitioners in the field.

This new initiative at Stern builds on established expertise in the Stern Department of Finance and International Business area to offer a sequence of courses that emphasize the importance of new financial instruments and quantitative techniques in the real estate field. As the initiative develops, we will develop high-level courses in association with faculty currently teaching in other areas of Stern. In this way we can develop the next generation of leadership in an area that is of great student interest and is of great importance to the local New York economy. We are also in a position to advance knowledge and understanding in this area.

Well-established programs in real estate are a feature of other leading business schools. However, few programs have quite the locational advantage that Stern has in the midst of a vibrant New York City real estate economy. In addition, a distinguishing feature of our initiative is its tight integration into our well-regarded finance curriculum. It also has more of an international focus than programs offered elsewhere. This initiative therefore represents an opportunity for excellence. It complements the high-quality programs already being offered within NYU, both in the Real Estate Institute and as a concentration in the School of Law.

The focus of the initiative is to prepare students for entry-level positions in a variety of financial institutions, all of which have lately developed real estate specializations. In investment banking, there is a significant demand for specialists in real estate capital markets, real estate investment trusts, mortgage originations, mortgage backed security trading and structuring, and in real estate portfolio/asset management. Students can expect to find positions in banks and insur-

ance companies as real estate analysts, as loan workout specialists, and in the structured finance area. Rating agencies also need specialists in real estate investment trust divisions, and in both residential and commercial structured finance. There is a large demand among pension funds for real estate portfolio managers and asset managers, as well as analysts in real estate. Finally, each of the big six accounting firms have real estate divisions, and our students would be prime candidates for positions in their management consulting divisions.

The real estate finance sequence consists of one foundation course, Real Estate Finance B40.2339, and a variety of electives that assume knowledge of the material covered in this course and for which it is a prerequisite. In addition, there are two courses offered in the School of Law open to Stern students that supplement the offerings at Stern.

For further information, contact the real estate finance initiative Web site at www.stern.nyu.edu/~sbrown/realestate.

COURSES***Real Estate Finance***

B40.2339

Prerequisite: B09.2316. 3 credits.

Mortgage-Backed Securities

B40.2340

Prerequisites: B09.2316, B40.2339.

3 credits.

Investment Philosophies in Real Estate

B40.2341

Prerequisites: B09.2316, B40.2339.

3 credits.

International Real Estate

B40.2342

Prerequisite: B09.2316. 3 credits.

Real Estate Market Analysis

B40.2343

Prerequisites: B09.2316, B40.2339.

3 credits.

Equity Financing of Real Estate

B40.3179

Prerequisites: B09.2316, B40.2339.

1.5 credits.

**RELATED LAW SCHOOL
COURSES*****Taxation of Property Transactions***

L11.3027

3 credits.

Land Use Regulation

L10.3020

3 credits.

Research Centers and Institutes

Faculty members at Stern are expected to do research as part of their academic responsibility. Faculty and students conduct a wide variety of theoretical and empirical investigations into problems concerning business management as well as national and international public policy formation.



New York University Salomon Center

Sidney Homer Director: Ingo Walter

Vice Director: Edward I. Altman

Center Office: KMC, 44 West Fourth Street,
Suite 9-160

The Salomon Center is now the nation's foremost independent academic research organization for the study of problems and issues related to the U.S. and global financial structure. It focuses on (1) supporting objective analyses of the continuing evolution of financial institutions and markets and (2) serving as a forum for critical discussion on public policy issues surrounding the evolution of financial systems and performance of firms in the financial services sector.

SPECIFIC OBJECTIVES

1. To conduct applied academic studies using conceptual and empirical techniques to evaluate evolving financial instruments and markets, as well as their use in risk management by financial institutions and business corporations.
2. To sponsor conferences that bring together academics, practitioners, regulators, and legislators to discuss new developments in finance and various aspects of the financial services industry related to public policy.
3. To disseminate, through working papers, monographs, and books, the results of these

studies and conferences, in the expectation that a better understanding of the issues will lead to a healthier financial environment.

4. To present state-of-the-art executive seminars in its Frontiers of Finance series. These include market risk control; risk management in banking; derivatives; portfolio management; credit risk; foreign exchange risk management; mergers and acquisitions; corporate valuation; and risk control in emerging markets.

5. To support teaching on financial institutions at the Stern School by sponsoring case writing and curriculum development.

SALOMON CENTER RESEARCH AND ITS FINANCING

A founding grant in 1971 from the partners of the financial firm of Salomon Brothers provides a permanent endowment for the Center's essential operations. Dr. Henry Kaufman contributed additional funds (1981 and 1989) to establish a Center directorship in honor of Sidney Homer and an academic chair in honor of Charles Simon, both of whom were partners of Salomon Brothers. The Center solicits operating funds from banks, securities firms, exchanges, and insurance and investment companies, as well as from nonfinancial companies in the

U.S. and abroad. These corporate sponsors are called Center Associates.

Seed Grants. A portion of the Center's funds is reserved for seed grants made to faculty members for research on topics of interest to the Center and for generating external funding.

Center Fellowships. These grants stimulate basic financial research at the Stern School by providing substantial, untied funding for the School's most productive middle-rank scholars/ teachers and for visiting faculty members and researchers.

Applied Research. Stern School faculty associated with the Salomon Center undertake applied research and/or executive education projects, often in response to invitations from outside sponsors.

Sponsored projects have covered a broad range of financial topics funded by various institutions, such as Aetna Life; Banco Santander; Bankers Trust Company; Bank Julius Baer; Citicorp; Exxon Corporation; Ford Foundation; Merrill Lynch; J. P. Morgan; National Science Foundation; New York State Bankers Association; Samsung; the Sloan Foundation; Standard & Poor's Corporation; Union Bank of Switzerland; the U.S. Department of Housing and Urban Development; and the U.S. Office of Technology Assessment.

CONFERENCES

The Center conducts several conferences each year, at which academics, business executives, and government officials exchange ideas. Recent conferences have included Universal Banking; Call Markets; Rethinking Emerging Markets; Dynamics of Bank Mergers; Governance of Pension Funds and Mutual Funds; Small Business Finance; and Executive Compensation and Shareholder Value.

PUBLICATIONS

In addition to the books that evolve from conferences and research projects, the Salomon Center produces the following regular publications:

Three journals, *Financial Markets, Instruments, and Institutions* (edited by

Professor Anthony Saunders); the *Journal of International Financial Management and Accounting* (edited by Professor Frederick D. S. Choi); and the *Journal of Derivatives* (edited by Professor Stephen Figlewski), are published by the Salomon Center. The first of these contains research papers in economics and finance too long or complex for scholarly journals or business periodicals. The second covers articles of importance to the finance function of the international firm and financial markets. The third journal is devoted to futures and options markets.

Occasional Papers in Business and Finance provides circulation of important papers and small books on current financial and economic problems.

The Center's *Working Papers Series* provides quick access to research-in-progress in

financial economics, from the highly theoretical to the rigorously applied.

The Center's *Annual Report* contains information on the Center's research, conferences, and publications to a mailing list of over 9,000. It also reports on the faculty's research in finance and economics.

Up-to-date listings of all Center publications are available in Suite 9-160 of the Kaufman Management Center or by calling (212) 998-0713.

SPONSORING CENTER ASSOCIATES AND SUBSCRIBERS

Business firms and financial institutions provide annual support of Center activities and participate in formulating Center plans by becoming corporate associates of the Center.

The L. Glucksman Institute for Research in Securities Markets

Director: William L. Silber

The Institute, endowed by a grant from Lewis Glucksman, offers faculty and student grants to support research on equities, bonds, futures, options, and other financial instruments and on the markets where they are traded. Five Glucksman Fellows are designated yearly from among first-year, full-time

M.B.A. students. In their second year, these fellows receive cash stipends and are paired with full-time faculty members on research projects in securities markets. Participating faculty members receive unrestricted grants as well. The program exposes some top M.B.A. students to the rigors of formal academic research in the practical areas of finan-

cial economics. The Institute also awards an annual \$5,000 prize for the best research paper in finance by a Stern faculty member. These programs, as well as the Gluckman Institute's other activities, are coordinated with the Salomon Center.

The Center for Japan-U.S. Business and Economic Studies

Director: Ryuzo Sato

Center Office: KMC, 44 West Fourth Street, Suite 7-190

The Center is one of the first university-based organizations in the world to promote greater cooperative efforts between Japan and the United States through research, education, publications, and conferences. A Board of Advisers, made up of prominent academic, government, and business experts from Japan, provides guidance and generates financial support for Center activities. Many prominent Japanese and American academicians are affiliated with the Center as research associates.

RESEARCH

The Center conducts academic studies that use theoretical and empirical methods to evaluate major business and economic issues important to Japan and the United States. See page 92 for a list of contributors to the Center's endowments and research grants.

CONFERENCES, PUBLIC LECTURES, POLICY DEBATES, AND SEMINARS

Center-sponsored events bring together academic, business, and government leaders to discuss issues in micro- and macroeconomics, finance and investment, and international trade and financial transactions as they affect Japan and the United States. International conferences, panel discussions, public lectures, and policy debates are held in New York and in Tokyo to elucidate these issues. The M.B.A. Public Lecture Series features Long-Term Credit Bank of Japan Visiting Professor of Political Economy Paul A. Samuelson. Public lectures and seminars are conducted throughout the academic year. The Japan-U.S. Forum Series is offered on a regular basis for students to discuss topics of interest with local business representatives in an informal setting. Japan-U.S. research seminars present the latest research on issues affecting the two countries presented by scholars from NYU and other universi-

ties around the country. Through the policy debate program, scholars are invited to prepare papers on topics of current interest and to participate in a panel discussion, at which time they summarize their research.

PUBLICATIONS

The Center disseminates the results of its studies and conferences through working papers, occasional papers, and public lecture transcripts. The collected papers from past conferences and research projects are published in books: *Fragile Interdependence*; *Recent Developments in Japanese Economics*; *Beyond Trade Friction*; and *Japan, Europe, and International Financial Markets*. The Sanwa Monograph Series published by Cambridge University Press includes *International Financial Integration*; *Financial Markets and European Monetary Cooperation*; and two volumes in press. With North Holland (a division of Elsevier Science Publishing Co.), the Center publishes a quarterly academic journal entitled

Japan and the World Economy: International Journal of Theory and Policy. The Center's research associates in Japan have compiled a book edited by Ryuzo Sato, Hajime Hori, and Rama Ramachandran, entitled *Organization, Performance and Equity: Perspectives on the Japanese Economy*, which was published by Kluwer Academic Publishers; other technical volumes from the same publisher are *Conservation Laws and Symmetry: Applications to Economics and Finance* and *Symmetry and Economic Invariance*. The English language edition of *The Chrysanthemum and the Eagle*, Professor Sato's award-winning commentary on Japan-U.S. relations, published by NYU Press, is available in bookstores.

COURSES

The Center assists the economics, finance, and marketing departments in the development of courses that provide Stern School students with the opportunity to concentrate in the area of Japan-U.S. business and economics. A grant from the Japan-U.S. Friendship Commission has provided much of the support for this course development.

FINANCING FOR THE CENTER

Financial contributions have come from American and Japanese companies and

institutions. This support is in the form of research grants, endowments, and ongoing grants listed in this section. In addition, the Center has the endorsement and support of the Keidanren (Japan's Federation of Economic Organizations) and the Japan Foundation.

ENDOWMENTS AND ONGOING GRANTS

The Center's Board of Advisers in Japan works with various corporations and organizations to provide endowments, including the following:

The Asahi Bank, Ltd.—Endowment for International Research

Endowment for the W. Edwards Deming Chair in Quality and Productivity

Mrs. Fumiko Hosoda—Shinbashi-Hosoda Endowment for Business Research and Education

The Long-Term Credit Bank of Japan, Ltd.—Endowment for the Visiting Professor of Political Economy, Professor Paul A. Samuelson

NEC Corporation—Endowment for NEC Faculty Fellows Program

Sangyo Kenkyujo Foundation—Endowment for Study of U.S.-Japan Economic Relations

The Sanwa Bank, Ltd.—Endowment for Study of International Financial Markets
The C. V. Starr Foundation—Endowment and Challenge Grant

Takeshi Izuka and TKC Corporation—Endowment for Research in Accounting, Auditing, and Data Processing

The following corporations and organizations have provided research grants: All Nippon Airways Co., Ltd.; Goldman, Sachs and Co.; Hasegawa Shoten, Ltd.; Hayakawa Co., Ltd.; IBM; ITOCHU Corporation; Japanese Certified Public Tax Accountants and Customers Association; Kodansha, Ltd., Publishers; Maeta Concrete Industry Ltd.; Ministry of International Trade and Industry (MITI); Mitsui Trust and Banking Company, Ltd.; National Institute for Research Advancement (NIRA); Nihon Kenko Zoushin Kenkyukai Corp.; Nippon Life Insurance Co.; Ohmori Management Advisory Office Inc.; Okasan Economic Research Co., Ltd.; RCA; Sakura Bank; Salomon Brothers, Inc.; Sanwa Bank; Tohoku Electric Power Company Inc.; U.S.-Japan Friendship Commission.

CORPORATE ASSOCIATES

The Center's corporate associates include firms that have their employees enrolled at the Stern School. They provide modest annual support for the Center's activities.

The Vincent C. Ross Institute of Accounting Research

Director: Baruch Lev

Associate Director: Jan Sweeney

In 1971, Vincent C. Ross established and endowed this institute. His goal was to create an environment where research would flourish and where financial executives, professional accountants, government officials, and academicians could work to advance accounting principles and practices. Over the years, the Vincent C. Ross Institute has provided funding for many activities, in a variety of formats, for the exchange of ideas about accounting and related disciplines, including the following:

- Conducting large-scale research projects on topics of interest to financial and management accountants and disseminating the results to the business and academic communities, through conferences, journals, the working paper series, and over the Internet.

- Maintaining a research library for all Stern School faculty and Ph.D. students interested in accounting, finance, economics, management decision making, and taxation. The library houses a unique collection of historical corporate annual reports.

- Publishing the *Journal of Accounting, Auditing, and Finance*, currently edited by Professor Kashi Balachandran.

- Organizing an annual conference for academics on an accounting topic of major importance.

- Organizing and sponsoring programs and events to facilitate the exchange of information and ideas between the business and academic communities, including distinguished lectures, executive education programs, and professional conferences and roundtables

- Actively cooperating with other institutions to develop research, programs, and events, including the NYU Center for Law and Business, the NYU School of Law, and outside organizations such as the Brookings Institute, the Big Five accounting firms, and regulatory bodies, such as the Independence Standards Board.

Ross roundtables provide a forum for "public opinion shapers"—business writers, financial analysts, educators, policymakers, and accounting professionals—to discuss important developments in the accounting and capital markets areas. Recent roundtable topics included *Do Investors Need Protection in Speculative Markets?*; *The Internet and Electronic Commerce: Financial Reporting and Auditing Challenges*; and *The Demand for and Supply of Accounting Professionals in the Year 2000 and Beyond*

In the fall of 1996, the Ross Institute sponsored a major research initiative known as the Intangibles Research Project, under the direction of Professor Baruch Lev, director of the Ross Institute and Philip Bardes Professor of Accounting and Finance. The Intangibles Research Project sponsors research and disseminates information on the valuation and disclosure of corporate intangible assets. Intangible assets include human development and intellectual capital (which have never been recorded in corporate balance sheets), as well as purchased goodwill and other intangible assets that have traditionally appeared on the corporate balance sheets. The project also facilitates interchange among parties interested in intangibles, through conferences, events, and a Web site. With the Ernst and Young Center for Business Innovation, the Ross Institute's Intangibles Research Project developed an electronic clearinghouse (Web site: www.stern.nyu.edu/ross/ProjectInt) for information on intangibles.

The third research conference devoted to intangible investments (intellectual capital) focuses on knowledge: management, measurement, and organization (May 2000).

The Intangibles Research Project conferences present academic research to an audience consisting approximately equally of practitioners and academics. The first conference (May 1998) focused on the relationship between intangibles and capital markets, and the second conference (May 1999) looked at the managerial and organizational aspects of intangible investments. Funding for the conferences has been provided by PricewaterhouseCoopers LLP.

In June 1999, the Ross Institute announced a new Corporate Earnings Project under the leadership of Paul R. Brown, chair, Department of Accounting, Taxation, and Business Law, and Baruch Lev. The objective of the project is to observe the effectiveness of corporate earnings as a signal of firm performance and to improve the measurement and disclosure of corporate earnings. The project sponsors and conducts research, disseminates information, and facilitates interchange between interested parties. Financial executives, financial analysts, professional accountants, government officials, academics, and the financial press are among the groups expected to benefit from this project.

Under the direction of Paul Brown, the project is developing a "quality of earnings" database, to document cases where GAAP is not violated but where management appears to have used subjectively applied reporting techniques to meet targeted numbers. The study will analyze systematic aspects of these cases and survey research literature on earnings management. Eli Bartov is investigating how corporate officials manage earnings expectations as well as the earnings number itself by manipulating the estimates they make for earnings, revising these estimates, and other inputs of analysts expectations.

The annual *Journal of Accounting, Auditing, and Finance* conferences focus on topics related to the Corporate Earnings Project. The conference in August 1999 covered theoretical and applied aspects of equity valuation (Ohlson) models. The conference in August 2000, which will be led by Professors Eli Bartov and James Ohlson, will be devoted to several aspects of earnings management and managing earnings expectations. Funding for the JAAF conferences is provided by KPMG-Peat Marwick LLP.

The Berkley Center for Entrepreneurial Studies

Director: Ari Ginsberg

Assistant Director: Loretta Poole

Center Office: KMC, 44 West Fourth Street, Room 8-73, (212) 998-0070

Since 1984, the Berkley Center for Entrepreneurial Studies has been a global leader in promoting research in entrepreneurship and entrepreneurship education. In addition, the Center serves as the umbrella organization responsible for coordinating the delivery of Stern's extensive offerings in entrepreneurship at both the graduate and undergraduate levels. These offerings include our basic courses in entrepreneurship, advanced courses in entrepreneurship, and a broad menu of extracurricular activities. Our graduate program offering is described in detail on pages 46-50 of this bulletin under "Entrepreneurship and Innovation."

SPECIFIC RESEARCH OBJECTIVES

There is a growing consensus that one of the most important drivers—if not the most important driver—behind economic growth

in both developing and advanced economies is a thriving entrepreneurial sector. Spectacular entrepreneurial success stories fueled by a dynamic new venture capital industry have garnered considerable attention from policymakers and managers alike. The elevation of entrepreneurship to the center of the global stage has been associated with an acute interest in the associated managerial, public policy, and business education research issues. It has been the goal of the Berkley Center for Entrepreneurial Studies since its inception to push back the frontier of knowledge in this area. Specifically, the Berkley Center focuses its research energy on three areas:

1. Issues related to the financing and management of the entrepreneurial enterprise. This includes analysis of the process of opportunity assessment and new venture creation; the markets that support entrepreneurial activities; and the legal, financial, and informational infrastructures associated with those markets. This research effort recognizes that the process of entrepreneurship involves the evolution of firms through the earliest seed stage, to the ulti-

mate harvesting of wealth creation—and beyond.

2. Public policy issues that shape the nature of entrepreneurial activity. These issues span areas of financial system architecture, tax policy, trade policy, securities, and corporate law, to name just a few. This research effort recognizes that public policy is driven by recognition of the link between a vibrant entrepreneurial sector and economic growth.

3. Issues related to the assessment of entrepreneurial education. This includes investigation of the knowledge and skill sets required by entrepreneurs and how those can best be delivered in curricular and extracurricular programs at the undergraduate, graduate, and executive levels.

BERKLEY CENTER RESEARCH ACTIVITIES

The Berkley Center for Entrepreneurial Studies encourages research in the area of entrepreneurship by providing a forum for scholarly interaction, by providing grants and seed money for specific research projects

and case studies, and by offering a variety of vehicles for disseminating cutting edge research.

• **Conferences.** These conferences are organized to achieve several objectives: (1) to provide an opportunity for the academic practitioner and policy-making communities to discuss cutting-edge research on entrepreneurship; (2) to provide an opportunity to help set the research agenda in entrepreneurship by defining and clarifying key policy-making and managerial issues; and (3) to provide a vehicle for disseminating current academic thinking and managerial prescription to the business community. Recent conferences have dealt with the economics of the private debt and equity markets, entrepreneurship in Eastern Europe, and the role of managerial and organizational cognition in an era of entrepreneurship and innovation.

• **Faculty Research Support.** These funds are designed to support entrepreneurship research that will be published in leading academic journals or in book form. The faculty grants are offered to Stern faculty from any and all disciplines. Recent faculty research projects include "Regional

Development in Entrepreneurial Settings: Explaining the Dynamics of Strategic Interaction;" "The Dynamics of Market Entry: The Effects of Mergers and Acquisitions on De Novo Entry and Small Business Lending in the Banking Industry;" and "Entrepreneurial Career Intentions: The Influence of Educational Background, Employment History, Values, and Beliefs."

• **Doctoral Student Research Grants.** These grants are designed to support data collection and fieldwork. They are awarded to doctoral students working on promising entrepreneurship-related doctoral dissertations. Recent doctoral research projects include "The Value of Asset-Based Lending in Small Firm Finance;" "How Entrepreneurs Construct Firm and Industry Growth: The Case of the Gourmet Coffee Industry;" "Webs of Creation: Innovation, Learning, and Organizational Networks;" and "Rolling the Bandwagon: Compatibility Standards in the Local Area Networking Industry."

• **Publications.** The Berkley Center maintains a working paper series that showcases entrepreneurship and innovation research papers written by Stern faculty. The biannu-

al *Berkley Center Newsletter* also publishes articles that summarize recent Stern research studies and Berkley Center-sponsored conference papers, many of which later appear in leading entrepreneurship, finance, and management journals.

• **Entrepreneurship Career Data Project.** This project, originated in 1994 and coordinated by the Berkley Center, is a multiuniversity longitudinal project to study the relationship between M.B.A. education and later career outcomes. It provides the opportunity to evaluate delivery and composition of courses, with a special focus on courses related to entrepreneurship, the formation and character of new enterprises, and entrepreneurial management. Students entering M.B.A. programs are surveyed on entry and graduation, and followed for a number of years thereafter. Survey data is shared with participating universities for analysis and research. This project is expected to result in identifying methods for enriching M.B.A. and entrepreneurship education. The Price Institute for Entrepreneurial Studies and each of the participating business schools financially support the project.

Center for Information Intensive Organizations

Director: Norman H. White

Center Office: KMC, 44 West Fourth Street, 9th Floor

The Center for Information Intensive Organizations (CIIO) promotes research on the effective use of information and information technologies in organizations.

Working with all academic departments in the School, the Center focuses on management policy and planning for technology; the alignment of business and

technology strategies; the use and economics of information; decision making and problem solving; electronic commerce; the implementation of change in organizations; new approaches to systems analysis and design; databases and their management; organizational modeling; networks and their management; and technical support for group work.

During the year, the Center conducts seminars in both research and practice. An extensive list of working papers and other

publications is available from the Center office, and an annual report is published.

The Center's Affiliates Program, open to industry, provides a forum for the discussion of issues concerned with the management and use of technology. Major corporations participate in the program, which includes a seminar series, joint research studies, a career evening, awards for outstanding students, student club speakers, and other activities that foster closer relations with industry.

New York University Center for Law and Business

Director: William T. Allen

Center Office: KMC, 44 West Fourth Street, Suite 9-53

The NYU Center for Law and Business was established in the fall of 1997 as a joint venture of the Leonard N. Stern School of Business and the NYU School of Law. The central aim of the Center is to bring together legal scholars, thoughtful professionals, and experts in business behavior. The Center's

mission has three principle parts:

1. **Professional Education:** To enrich the teaching curriculum of both the law and business schools through the development of a unique set of new courses offered to those students at either school who have a special interest in the interaction of law and business.

2. **Scholarship:** To facilitate professional interaction and joint scholarly work between

faculty who share an interest in the structure, regulation, and function of the market economy.

3. **Policy and Professionalism:** To contribute to the public welfare through programs of professional education and development, and through the support of scholarship that assists governmental and private policymakers in fashioning change that contributes to enhanced business productivity.

The Center draws on the legal and financial expertise of both the NYU School of Law and the Leonard N. Stern School of Business to improve research and teaching and to stimulate a better understanding of the relation-

ship between legal system regulation and how well individuals and organizations are able to accomplish economic interactions—that is to do business. Through innovative curriculum and creative pro-

gramming, which reaches out beyond the classroom to the professional community, the Center has already begun to serve as a catalyst for that better understanding.



Admission—Master of Business Administration

The M.B.A. Admissions office is responsible for enrolling classes of full- and part-time students during each fall term and a class of part-time students in the spring term. Admission to the M.B.A. Program at the Stern School is open to any qualified man or woman who holds a bachelor's degree or its international equivalent from an accredited undergraduate institution. A number of factors are considered in evaluating M.B.A. applications, including the applicant's intellectual development, as evidenced by previous academic work and the Graduate Management Admission Test (GMAT) score, the nature and extent of previous work experience, personal essays, and letters of recommendation. The Stern School uses a self-managed application process, and the applicant is responsible for gathering and completing all required information and submitting it at one time. The Admissions Committee has the right to make a decision on an incomplete application.



For current admission information or to request application materials, please contact M.B.A. Admissions at

New York University
Leonard N. Stern School of Business
M.B.A. Admissions
44 West Fourth Street, Suite 10-160
New York, NY 10012-1126

Telephone: (212) 998-0600
Fax: (212) 995-4231
E-mail: sternmba@stern.nyu.edu
Web site:
www.stern.nyu.edu/mba/admissions

Please note: Unless admitted to a formal joint-degree program, New York University students may not pursue two degree programs simultaneously at different schools of the University.

The Graduate Management Admission Test (GMAT)

Required of all degree applicants, this test is given by the Educational Testing Service. An application for the test and a bulletin about its administration are available from the following:

GMAT
Educational Testing Service
Box 6101
Princeton, NJ 08541
(609) 921-9000
(800) GMAT-NOW
www.gmat.org

Note: GMAT scores are valid for five years prior to the beginning semester for which an applicant seeks admission. (See the M.B.A. application booklet for acceptable dates.)

Test of English as a Foreign Language (TOEFL)

All applicants whose native language is not English and who have not received a university degree in an English-speaking country must take the Test of English as a Foreign Language (TOEFL) in addition to the GMAT. Information about the TOEFL test may be obtained from the following:

TOEFL
Educational Testing Service
Box 6151
Princeton, NJ 08541
(609) 771-7760

Note: TOEFL scores are valid for two years prior to the beginning semester for which an applicant seeks admission. (See the M.B.A. application booklet for acceptable dates.)

Applicants may also take the English proficiency test of New York University's American Language Institute (ALI) in lieu of the TOEFL.

Students who are anxious about their English skills may choose to have their proficiency evaluated by ALI. The Institute offers a diagnostic test and, based on the score, will direct students to appropriate English courses.

We urge students concerned about their command of English to contact ALI for more information.

American Language Institute
School of Continuing and Professional Studies
New York University
48 Cooper Square, Room 200
New York, NY 10003-7154
(212) 998-7040

Application Procedure for the M.B.A. Program

The Stern School uses a self-managed application for the full- and part-time M.B.A. Programs. The applicant has responsibility for gathering and completing all required information, obtaining supporting documents, and submitting all materials in a single envelope to M.B.A. Admissions.

Upon the deadline, applications received incomplete without all supporting credentials (other than official GMAT and TOEFL scores) cannot be guaranteed a review for the intended semester of enrollment and will cause significant delay in processing time. By adhering to these procedures, candidates can be sure their applications will receive proper consideration:

1. Obtain application materials from the following:

Leonard N. Stern School of Business
New York University
M.B.A. Admissions
44 West Fourth Street, Suite 10-160
New York, NY 10012-1126
Telephone: (212) 998-0600
Fax: (212) 995-4231
E-mail: sternmba@stern.nyu.edu

Application forms can also be downloaded from our Web site at www.stern.nyu.edu/mba/admissions.

2. Take the Graduate Management Admission Test and request that your score be sent to Stern M.B.A. Admissions. **Stern cannot accept faxed copies of the GMAT.**

The ETS reporting codes for the GMAT and TOEFL at Stern are as follows:

M.B.A. Program

In Manhattan 2582
In Westchester 2504

3. Use the forms in the application materials to request that official transcripts and required letters of recommendation be sent directly to you.

4. Send all completed application forms, the appropriate application fee, essays, a résumé, and the sealed envelopes containing transcripts and recommendations to M.B.A. Admissions before the application deadline. **Stern cannot accept faxed credentials.**

5. International applicants must take the TOEFL and request that their scores be sent directly to M.B.A. Admissions. **Stern cannot accept faxed copies of the TOEFL.**

6. If seeking financial aid, complete the Free Application for Federal Student Aid (FAFSA), which may be obtained from the federal processing agency at (800) 4FED-AID or from the Web site at www.ed.gov/offices/OPE/express.html.

The priority deadline for submitting the FAFSA for the academic year 2001-2002 is January 15, 2001.

APPLICATION DEADLINES FOR FALL TERM:

December 15	Full-time M.B.A. applicants seeking scholarship consideration
March 15	Full-time M.B.A. applicants
May 15	Part-time M.B.A. applicants

APPLICATION DEADLINE FOR SPRING TERM (PART-TIME STUDY ONLY):

September 15	Part-time M.B.A. applicants
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Executive M.B.A. applicants: See Executive Programs, pages 20-24.

Ph.D. applicants: See Doctor of Philosophy Program, pages 32-34.

M.S. applicants: See individual program descriptions, pages 25-31.

TIMING OF ADMISSIONS DECISIONS

Full-time M.B.A. students are admitted for the fall term only. Part-time M.B.A. students are admitted for the fall and spring terms. Those applying to the part-time M.B.A. Program in Westchester County are admitted for the fall term only.

The Admissions Committee begins its review of applications in January for full-time applicants to the fall term, in April for part-time applicants to the fall term, and in September for the spring term. Applications submitted before the Admissions Committee begins its review for that term will be considered after the appropriate decision period commences. Applicants receive a decision approximately ten to twelve weeks after Stern receives a completed application. *Applications received on or near the deadline may take longer to process.*

If your application or any part of it is received by Admissions after the deadline for the desired term, it may be considered for the subsequent term.

ENROLLMENT DEPOSITS (NONREFUNDABLE)

Each admitted applicant must submit a nonrefundable enrollment deposit of (U.S.) \$1,000. The deposit deadline will be specified in the offer of admission letter. **The deposit guarantees a place in the class only for the term and program for which the applicant was admitted.** Anyone who does not notify us of his or her intention to enroll by submitting a deposit by the specified deadline will not be permitted to register and may lose the offer of admission. The Stern School does not offer deferral of admission to a future term. Students must apply for the term in which they intend to enroll.

CHANGE OF FULL-TIME OR PART-TIME STATUS

Students cannot change their status in the program once they have enrolled. In the event that a student finds he or she needs to change programs prior to enrollment due to special circumstances, he or she must petition the Admissions Committee chairperson in writing. These students will be reviewed after all other students who applied by the deadline of that particular program have been evaluated. If an applicant withdraws and requests to be reconsidered for a program other than the one to which they were admitted, they lose that offer of admission and are not guaranteed a place in the class. Permission to change status is not guaranteed and occurs rarely.

INFORMATION FOR INTERNATIONAL STUDENTS AND OTHER APPLICANTS WITH FOREIGN ACADEMIC CREDENTIALS

The Stern School welcomes applicants from other countries. During the past year, approximately one-third of our students were from countries outside of the United States. This is one of the largest international student populations among the leading graduate business schools. Many students come from developing countries, and many are sponsored by their governments or home-based corporations; upon returning to their homelands, they will assume responsible positions in government and business.

International applicants may contact M.B.A. Admissions if they have questions regarding their academic eligibility. A partial list of acceptable undergraduate degrees is published in the application booklet.

International applicants must meet the same admission criteria as all other students. All international students must have a command of English commensurate with the rigorous standards of the Stern School programs. In addition to the GMAT, international applicants whose native language is not English must submit their score from the Test of English as a Foreign Language (TOEFL).

Overseas applicants must submit their applications and all required supporting materials by the published deadlines. All documents in languages other than English must be accompanied by original certified English translations. Stern requires original transcripts from all colleges or universities attended. As this is often a lengthy process, students should plan to obtain these materials well in advance of application deadlines. Applications cannot be processed until all supporting documents are received.

Financial Aid

Because a graduate business degree will afford students the opportunity for significant personal growth and career advancement, obtaining that degree will require a considerable investment of resources. Many students will need assistance in meeting the costs of business school. This section is designed to guide you through the financial aid process.



New York University participates in the Federal Stafford Loan, Federal Perkins Loan, and Federal Work-Study Program. Stern also offers competitive awards based on merit. In addition, private and federal educational loans are available to assist with school expenses. Please note that student loans are the primary source of assistance for most students.

Full-time students meeting the December 15 admission application deadline will be

considered for merit-based scholarships.

Loans with various repayment terms are also available. Part-time employment may also be available within the University and in the local community. Second-year students may also apply for graduate assistantships and teaching fellowships.

Part-time students are eligible to apply for loans and generally must enroll in at least 6 credits (half-time) per semester to be eligible.

Please direct all correspondence and inquiries about financial aid to M.B.A. Financial Aid for proper handling:

New York University
Leonard N. Stern School of Business
M.B.A. Financial Aid
44 West Fourth Street, Suite 10-160
New York, NY 10012-1126

www.stern.nyu.edu/mbafin-aid
E-mail: fin-aid@stern.nyu.edu

Applications Procedure

All eligible students applying for financial aid must submit a Free Application for Federal Student Aid (FAFSA) to the federal processor listing New York University (federal code 002785). To be eligible for federal

loans, you must be a U.S. citizen or U.S. resident. Students may complete an electronic FAFSA located on www.fafsa.ed.gov. All students must complete and forward their FAFSA by January 15 for timely receipt of

funds. Students must take additional steps to confirm the awards based on the results of the FAFSA. Specific instructions will accompany the award letter.

Notification

Stern begins to mail financial aid awards to admitted students on April 1. For students admitted after March 15, Stern will mail award decisions about three weeks after the admission decision. Awards are made for one

academic year only (fall and spring) and may not be deferred. Typically awards include eligibility for loans for all students and scholarships for students with exceptional credentials. Stern also awards a limit-

ed number of donor scholarships to first-year and second-year students who meet specific donor award criteria.

Doctoral Fellowships and Assistantships

Stern offers research assistantships to all students admitted to the full-time doctoral program. These awards are not need-based and

do not require the submission of a financial aid application.

Scholarships and Fellowships

Many individuals and leading business and philanthropic organizations, recognizing the value of investing in the future of business professionals, provide fellowships and scholarships for outstanding students. Most of the fellowships and scholarships listed are reserved for continuing students who have demonstrated their academic potential at Stern. To be considered for Stern scholarships, candidates must submit their application for admission by December 15.

Dean's Scholars. Stern awards a limited number of highly selective, merit-based scholarships to admitted applicants with exceptional academic credentials, professional accomplishments, and leadership potential.

Amerada Hess Scholarship. Scholarships are awarded to one first-year M.B.A. student and one second-year M.B.A. student who have two or more years of work experience in energy or manufacturing, or with a public accounting firm. Candidates should have an undergraduate degree in the engineering field, earth sciences, or accounting/finance.

American Home Products Scholarship. This scholarship is to be given to a first-year M.B.A. student majoring in marketing, accounting, or information systems.

Jorge Ignacio Anwandter Scholarship. This scholarship was established by Geoffrey Gold (M.B.A. '91) and Americo Da Corte in memory of their late friend, Jorge Ignacio Anwandter. It was created to provide tuition assistance to M.B.A. students from Latin America who demonstrate academic merit as well as financial need.

The Alex S. Auerbach Scholarship. The family and friends of the late Alex S. Auerbach have established this annual \$300 scholarship for a student demonstrating financial need and academic excellence.

Grace and Jules Backman Scholarship. One full tuition and fees scholarship is offered to an outstanding entering student who shows high academic and personal achievement. This scholarship is renewable for a second year based on the student's satisfactory academic progress.

Bank of New York Scholarship. This scholarship was established to reward an M.B.A. student with outstanding academic qualifications and financial need. The Bank of New York participates in the selection of these scholars.

The Anne Hudson and Frank J. Berlin Scholarship Fund. This scholarship fund was created through the generosity of Anne Hudson Russell Berlin in memory of her husband, Frank J. Berlin. These scholarships are awarded to financially needy students pursuing the M.B.A. degree.

Beta Gamma Sigma Alumni Scholarship. The Beta Gamma Sigma Alumni Scholarship awards \$100 annually to a graduate student in Beta Gamma Sigma who will be enrolled for at least one additional year and needs financial assistance.

Zenas Block Scholarship. This scholarship was established by Deputy Dean Avijit Ghosh to honor Professor Zenas Block, a professor of management at Stern for over twenty years and a prominent teacher at the Berkley Center for Entrepreneurial Studies. It is awarded to an M.B.A. student interested in entrepreneurship.

Jules Bogen Fellowship. This award honoring the memory of Dr. Jules I. Bogen, professor of finance at the Stern School, is available to an exceptional student concentrating in finance. This fellowship is offered to an advanced candidate for the Ph.D. degree. The Bogen Fellow receives tuition plus a cash stipend for the academic year.

Mary, Catherine, and Julius Brickman Meyers Fund. This scholarship comes from a bequest from the estate of Evelyn B. Meyers in memory of Mary, Catherine, and Julius Brickman and Evelyn Brickman Meyers. It is intended for worthy M.B.A. students who should feel morally obligated to repay the money, when they are financially able to do so, so that the fund may increase and benefit future students.

Dorcas E. Campbell Memorial Scholarship. This scholarship was established to honor and perpetuate the memory of Dorcas E. Campbell. It is for a woman candidate for the M.B.A. degree majoring in finance with an interest in the field of public relations.

Chase Fellowships. Chase Manhattan Foundation provides fellowships to outstanding minority students demonstrating academic excellence and leadership skills. The students will be eligible for paid internships at Chase Manhattan Bank.

Chevron Minority Fellowship. This scholarship was funded by a generous contribution from the Chevron Corporation. Candidates for this award should be first-

year M.B.A. students who intend to major in finance and to pursue a career in the industrial rather than private sector.

C.I.T. John Vogel Scholarship. This scholarship was established by the C.I.T. Financial Corporation in recognition of John Vogel, a former director and Stern M.B.A., for a student who has worked through undergraduate and graduate programs.

Consortium Fellowships. The Stern School participates in the Consortium for Graduate Study in Management, an effort that facilitates the entry of underrepresented minorities into managerial positions. Fellowships cover full tuition and fees and are based on the applicant's desire to study business management, as well as proven aptitude, ability, and scholarship. Application for the fellowship is made directly to the consortium; applications and information are available from the following:

Consortium for Graduate Study in Management
200 South Hanley Road, Suite 1102
Saint Louis, MO 63105-3415
Telephone: (314) 935-5011
www.cgsmanustl.edu/8010

Deming Fellowship. This doctoral fellowship is funded through the generosity of Professor W. Edwards Deming. It is awarded to an outstanding doctoral student in statistics and operations research.

Mildred Elperin Scholarship Fund. This scholarship was established through a bequest of Mildred Elperin. The funds assist M.B.A. students with an interest in retailing.

Belmont A. Freiwald Fellowship. This award, for second-year M.B.A. students, is a result of a gift from Belmont A. Freiwald to support a marketing major who has demonstrated academic excellence and needs financial aid.

Armando John Garville Memorial Scholarships. This scholarship program was established to help fund part-time students who are either not company-funded or receive only limited company sponsorship. Preference is given to students with both financial need and academic merit.

Dorothy Glasser Scholarship. This scholarship was established by Rita Glasser to support a student in advertising studies.

Gerald J. Glasser Scholarship. This scholarship was established with a gift from Professor Gerald J. Glasser, a Stern graduate

who taught at the School until his retirement in 1983. Two scholarships are awarded to graduate students with financial need.

Harold Goldberg Scholarship. This scholarship was established by the friends of Harold Goldberg (B.S. '51). It is awarded to a part-time M.B.A. student who is interested in entrepreneurship.

Glucksman Fellowship Program. The L. Glucksman Institute for Research in Securities Markets at the Stern School sponsors five Glucksman Fellows selected from the first-year class to receive a stipend and conduct research with a faculty member during their second year of studies. Selected outstanding first-year students are invited to apply for the five positions.

Harry A. Hopf Memorial Fellowships. The Harry A. Hopf Memorial Fellowship Fund provides fellowships to honor and perpetuate the memory of Harry A. Hopf and the contributions he made to the field of management. Hopf Fellows are selected annually from outstanding M.B.A. candidates pursuing studies in management.

George Kellner Scholarship. This scholarship is designed to provide financial assistance to students with a parent employed by a not-for-profit educational institution, including research institutions.

Joseph Kolodny Scholarship. The National Association of Tobacco Distributors established this scholarship in honor of Joseph Kolodny. It is awarded to a candidate in the M.B.A. Program who specializes in the field of market distribution.

Abraham and Julienne Krasnoff Scholarship. This scholarship is designed to support semester-abroad study experiences for students enrolled in the School's International Management Program. A committee of faculty and administrators will select recipients.

C. Erick and Phyllis S. Larson Scholarship. This scholarship is to provide assistance to a part-time student who is working full time and not receiving full company or other financial scholarship.

The Benjamin J. Levy Fellowship. This fellowship was established at the Stern School by the partners of Salomon Brothers to honor Benjamin J. Levy. The award is made annually to an academically superior full-time M.B.A. or doctoral candidate with an interest in finance.

Mayor's Scholarship Program. The Mayor's Scholarship Program provides scholarships to part-time students who are full-time New York City employees. The program gives city employees opportunities to enhance their managerial and professional skills. The scholarships cover one-half of each semester's tuition up to 3 credits. Students apply for the scholarship through their personnel or benefits office.

Money Marketeers of New York University Scholarships. The Money Marketeers of New York University provide several scholarships annually to full- or part-time students who have demonstrated high academic achievement and show financial need. These awards are available to students who have completed at least half of the requirements for the Stern M.B.A.

The Municipal Bond Club of New York/Albert J. Milloy Scholarship. The Municipal Bond Club of New York established this award in honor of Albert J. Milloy, one of Stern's early distinguished professors. The scholarship is awarded to a second-year M.B.A. student in tax and finance.

The Marcus Nadler Fellowships. The Marcus Nadler Fellowships are awarded annually to outstanding doctoral candidates of extraordinary professional competence. The fellowships were established by the Money Marketeers, in memory of Dr. Marcus Nadler. These awards provide financial assistance to qualified students interested in doing financial research as preparation for careers in teaching, research, or business.

NASDAQ Doctoral Fellowship. The NASDAQ Stock Market Educational Foundation, Inc. set up this dissertation fellowship to support research in the area of finance or economics.

National Doctoral Fellowships. One or two fellowships are awarded annually to exceptional first-year doctoral students holding American or Canadian citizenship. These awards provide stipends and tuition.

C. W. Nichols Foundation Fellowship. The Nichols Foundation has established a graduate fellowship for an outstanding doctoral degree candidate who participates in doctoral workshops.

Paul Bailey Pizzitola Memorial Fund Scholarship. This scholarship has been established in memory of Paul Bailey Pizzitola, who attended the Stern School of Business. It is offered to a worthy M.B.A. stu-

dent who has survived a life-threatening disease; a dyslexic student; or a student who graduated from Brown University or St. Ignatius Loyola High School in New York City.

Price Institute for Entrepreneurial Studies Fellowship. This fellowship is sponsored by the Price Institute for Entrepreneurial Studies. It is awarded to an outstanding M.B.A. candidate in the second year of study for the purpose of providing financial support to a student as he or she pursues an M.B.A. with particular emphasis in entrepreneurial studies.

Resident Assistantships. Resident assistants live in undergraduate dormitories and are responsible for organizing, implementing, and evaluating social and educational activities. Assistants also serve as peer counselors and sources of information for dormitory residents. Candidates must be single, full-time students with a current cumulative grade point average of at least 2.5. They should also possess qualities that support the social and intellectual development of undergraduate students and should be willing to assume responsibility for managing crises. Compensation includes room and board for two semesters.

To obtain applications and further information, contact the following:

Office of Housing and Residence Life
New York University
33 Washington Square West
New York, NY 10011-9154

Samuel Revits Memorial Scholarship. The family and friends of the late Samuel Revits have established this memorial scholarship fund as a lasting tribute in recognition of his efforts on behalf of the Stern School. It is intended to assist a worthy M.B.A. student who demonstrates financial need.

Milton Reynolds Scholarship. This scholarship was established by the Reynolds Family Foundation in honor of Milton Reynolds for a student majoring in marketing.

Milija Rubenzanin Fellowship. This fellowship, in memory of Mr. Rubenzanin, is awarded for academic excellence to a student pursuing graduate work in banking and finance, and in need of financial aid.

Schering-Plough Scholarship. This scholarship was created through a generous grant from the Schering-Plough Founda-

tion, Inc. The scholarship is awarded to an M.B.A. student with proven achievement and interest in the marketing and pharmaceutical industries.

Barbara E. Smith Scholarship. This scholarship is named in honor of Barbara Smith, past president of the Alumni Association and former associate dean of development. Awards are made to M.B.A. students, with preferences to students interested in careers in marketing.

Martin T. Sosnoff Fellowship Fund. This fellowship is made annually to a deserving M.B.A. student.

Stern Scholarships. The Stern School provides a limited number of tuition scholarships to entering students with exceptional merit and demonstrated financial need.

Sumitomo Bank Global Foundation Scholarships. The Sumitomo Bank Global Foundation, Inc. established this scholarship through a special grant to Stern. The funds are awarded to M.B.A. students, preferably from Asian countries.

Joseph H. Taggart Fellowships. These fellowships, established to honor the former dean of the Stern School, are awarded annually to outstanding doctoral candidates.

Texaco/Stern M.B.A. Program Grant. This fund was established through a special

grant from Texaco Inc. The scholarship is awarded to second-year M.B.A. students with exemplary academic records. Preference is given to undergraduate majors in engineering, computer science, geosciences, and accounting/finance.

Barbara Parker-Thompson Scholarship. This scholarship has been established to fund students with disabilities who are enrolled at the Stern School of Business.

William P. Umbs Memorial Scholarship. This scholarship has been established by Bank Leumi Trust Company of New York to honor and perpetuate the memory of the first president of BLT Leasing Corporation Subsidiary, William P. Umbs. An award is made to an M.B.A. candidate majoring in finance and banking who has demonstrated superior academic achievement and is interested in a career in banking or leasing.

Unilever Scholarship. This scholarship is awarded to a first-year M.B.A. student who demonstrates financial need. Unilever participates in the selection process of this scholar.

United Parcel Service Scholarship. This scholarship was established to encourage young men and women with exceptional potential to specialize in retailing at the graduate level. Scholarships are awarded to

students who promise to make constructive contributions to retailing through research and writing.

Morton Weiss Scholarship. This scholarship was established to support a student interested in the securities field.

Paul I. Willensky Fellowships. These fellowships have been made possible through the generosity of Paul I. Willensky. They are awarded to outstanding advanced doctoral candidates pursuing dissertation research. First priority is given to candidates in economics, finance, or statistics and operations research.

David Wood Memorial Fellowship. The officers and members of the Municipal Bond Club of New York and the Municipal Forum of New York, to honor and perpetuate the memory of David M. Wood, have established this scholarship at the Stern School. It is awarded to an outstanding M.B.A. or doctoral student in finance who desires a career in municipal finance. The stipend awarded under this scholarship is up to \$1,500 tuition assistance for the academic year.

Larry and Carol Zicklin M.B.A. Merit Scholarship. This scholarship fund was created through the generosity of Larry and Carol Zicklin. It provides tuition assistance to M.B.A. students based on academic merit.

Graduate Assistantships and Teaching Fellowships

The Stern School of Business offers a limited number of graduate assistantships and teaching fellowships to qualified full-time, second-year M.B.A. students with a cumulative grade point average of 3.2 or above. Each

position provides a partial tuition credit during the semester that the student is employed and is credited directly to the student's tuition. The candidate must secure an approved position in a department for teach-

ing, research, or administrative responsibilities. An M.B.A. candidate may have a fellowship or assistantship position for a maximum of two semesters.

New York State Tuition Assistance Program (TAP)

TAP awards are subject to funding from New York State. Contact either M.B.A. Financial Aid at 44 West Fourth Street, Suite 10-160, or the University Office of Financial Aid at 25 West Fourth Street for current information. Legal residents of New York State enrolled in a full-time degree program of at least 12 credits or the equivalent per semester may be eligible for awards under this program. The award varies depending on income and tuition costs.

Students applying for TAP must do so via a FAFSA application, or they may contact the New York State Higher Education Services Corporation (HESC) at 1-888-NYS-HESC for an express TAP application. TAP change forms are available at the HESC Web site.

Return the completed application as instructed. *Do not send the forms to NYU.*

If you receive a TAP award for the fall or spring semester, you will be given a credit on your Bursar Statement of Account. Credit is not extended for the summer term because the state of New York defers payment on these awards. Students who are registered as half time for the summer will receive their TAP award at the end of the following year. Students registered as full time will receive payment at the end of the fall semester of the same year.

A student who has tuition remission privileges from the University may be eligible for TAP funds. Consult the Bursar's Office, 25 West Fourth Street, for further information.

Students may receive TAP assistance for a maximum of four years of undergraduate study (or five years in an approved five-year baccalaureate program) and four years of graduate study, but not for more than eight years of combined graduate and undergraduate study. They must also fulfill all state requirements for award eligibility, including attendance, academic progress, program pursuit, and income analysis. For further information, write to the following:

Division of Awards and Loan Services
New York State Higher Education Services Corporation
99 Washington Avenue
Albany, NY 11225

Student Loan Programs

Federal Stafford Student Loan (subsidized). This is a long-term, low-interest loan. Private lenders (banks, savings and loan institutions, credit unions) provide Stafford Loans guaranteed by state and federal government based on certification of eligibility by New York University. The subsidized limit is \$8,500 per year, and eligibility is based on financial need.

Repayment is deferred until six months after students graduate or cease to be enrolled at least half time (6 credits). No interest accrues during this deferment period. (For all borrowers, the interest rate will be variable with a cap of 8.25 percent.) Students who previously borrowed under the Federal Stafford/GSL program should stay with the same bank for their graduate loans, if possible.

Lenders must disburse all loans in two equal installments. The federal government charges a 3-percent origination fee that is deducted from each disbursement. The typical repayment period is ten years.

Federal Stafford Student Loan (unsubsidized). The terms of this loan are the same as the subsidized Stafford except that *eligibility is not based on financial need and interest accrues during the deferment period.* Interest begins accruing as soon as the lender disburses the loan. Students may choose to have the accrued interest capitalized (added to the principal balance) or to make periodic payments. The total subsidized and unsubsidized Stafford limit is \$18,500 per year.

Private Educational Loans. Some student may find it necessary to borrow through private loan programs to meet a portion of their educational expenses. Note that all programs require applicants to have a good credit history and may require a creditworthy cosigner. International student loans, which do not require U.S. citizen cosigners, are also available. These loans were exclusively designed for New York University students. For more information on the terms of various programs, visit our Web site at www.stern.nyu.edu/mba/fin-aid

For those who are eligible for federal loans, students will receive award letters that will include private loan eligibility. However, students may choose another private loan program. Applicants must contact the alternate private loan program directly to request more information and an application.

Federal Perkins Loans. This is a long-term, low-interest loan awarded to selected applicants with the highest financial need. New York University provides Perkins Loans from funding allocated by the federal government. The annual maximum award depends on institutional funding levels. Repayment is deferred until nine months after students graduate or cease to be enrolled at least half time. No interest accrues during this deferment period. The annual interest rate is 5 percent and there are no fees. The maximum repayment period is ten years.

Registration and Matriculation

Before attending classes, all students must file the required registration forms with the Office of Records and Registration at designated registration periods. Students must register separately for each term and pay their tuition and fees according to the payment schedule as outlined by the Stern Bursar's Office. Students are required to familiarize themselves with course prerequisites and program requirements and may be asked to withdraw if they have improperly registered.



Immunization

New York State law now requires students attending colleges and universities within the state to have immunity or be immunized against measles, mumps, and rubella (German measles). The law applies to all students born after December 31, 1956.

Immune status will be checked as part of the registration process. Students who have not provided proof of proper immunity will

be required to do so before registering. Proof of immunity or immunization must be provided to the New York University Health Center, 726 Broadway, 4th Floor, New York, NY 10003-9580. Proof may be provided by submitting the required form or a letter or other documentation from a doctor or health care provider. Forms are mailed to all new students in their admissions material and are

also available in the Office of Records and Registration. Students who do not have proof of immunity must be immunized. Immunizations may be provided at a number of sources, including the University Health Center. For further information, call the University Health Center at (212) 443-1199.

For Continuing Students

The Office of Records and Registration mails registration materials to all continuing degree and certificate candidates. Continuing students are expected to register prior to

the beginning of each term according to the calendar specified in the registration instructions. If they miss the deadline, continuing students may also register in person during

the late registration period at the beginning of each term. (Dates to be announced in the registration mailing.)

For New Students

The Office of Records and Registration sends registration material to all new students. New students in the full-time block program **must register by mail by July 14**. There is no option to register later.

New students in the Langone Program and students in other programs who prefer not to register in advance may register during the in-person registration period at the beginning of the term. (Dates to be

announced in the registration mailing.) All students who have been admitted must indicate their intention to enroll by paying an enrollment deposit. They should be prepared to show proof of this when they register.

Satisfactory Program Progress

See "Minimum Program Progress" on page 117.

Continuous Matriculation

See “Maintaining Continuous Matriculation/Leaves of Absence” on page 117.

Doctoral Students

Students in the Ph.D. Program must have their registration approved by obtaining the

signature of a Doctoral Office staff member (40 West Fourth Street, Room 8-11).

Students in Joint-Degree Programs

Students in joint-degree programs should register through the NYU school in which a majority number of credits will be taken for that semester. When registering at Stern, joint-degree students must have their registration card reviewed and approved by the

joint-degree adviser before submitting it to the Office of Records and Registration. (Check with M.B.A. Academic Advising for further specific instructions.) When registering through the other school for Stern classes, you must notify the Stern joint-

degree adviser of the Stern courses in which you intend to enroll. You must also notify the Stern joint-degree adviser if you make changes to your Stern course selection at any time.

Block Scheduling

After the enrollment deposit is received, all new students in the full-time M.B.A. Program will be sent a list of fall term core courses and the block sections for which they must register. They must register for all courses on the list except those for which

they have been authorized to waive. The daytime sections of the core courses are reserved for first-year block students, and the evening sections of these courses are reserved for part-time students only. Additionally, one core course is required during the second year of

study. Block students may take this course in either semester of the second year of study and in the daytime sections reserved for full-time block students.

Class Hours and Credit Load

FALL AND SPRING TERMS

A 3-credit day course customarily meets for 80 minutes twice a week. Classes generally meet Monday and Wednesday or Tuesday and Thursday. Course meetings are generally from 8:30-9:50 a.m., 10-11:20 a.m., 1-2:20 p.m., 2:30-3:50 p.m. Evening classes generally meet for 160 minutes, from 6-8:50 p.m., once a week. Classes reserved for part-

time students meet on Saturdays, 9-11:50 a.m. and 12:20-3:10 p.m. With the exception of first-year, full-time block program students, the maximum number of credits a student may register for in a fall or spring term is 15. Part-time students admitted on or after spring 2000 may register for up to 9 credits each semester.

SUMMER TERM

A 3-credit course during the summer term meets for 110 minutes twice a week. Course meetings are 5:30-7:20 p.m. and 7:30-9:20 p.m., Monday through Thursday. The maximum number of credits a student can register for in the summer is 9.

Maximum Credits in a Major

No more than 18 advanced credits may be taken in a single major. This 18-credit maximum does not include the core course of the department and does not increase when core course substitutions are granted. A course is

counted in the department that offers it, identified by the first three digits of the course number. (For a more detailed explanation of Stern's course numbering system, see page 9.)

Credits taken above the 18-credit maximum in a major will not count toward the M.B.A. degree.

Transfer Credits

Effective September 1, 1998, the Stern School will not accept transfer credits from other

educational institutions for core courses. Credits earned from enrollment in another

division of NYU will not be credited toward the M.B.A. degree.

Proficiency Examinations

M.B.A. students may take a proficiency examination to waive a core course. Students must take the proficiency examination prior to enrolling to determine the eligibility

for a waiver. The examination for each core course can be taken only once, and the grade is final. Dates of the examination and registration information are included

in the advising booklet sent to students after admittance. More information may be found on the Web site at www.stern.nyu.edu/mba/advising.

Definitions of Student Status

STUDENTS IN THE FULL-TIME BLOCK M.B.A. PROGRAM

Students in the full-time block M.B.A. Program take 16.5 credits in the first semester, 15 credits in the second semester, and 13.5 or 15 credits in the final two semesters. Students are block-scheduled for the core courses except the breadth requirements.

Students in the full-time block M.B.A. Program attend classes during fall and spring semesters, secure a summer internship, and graduate at the end of their second spring semester.

Part-time employment for students in the full-time program is considered secondary to academic work at the Stern School, is strongly discouraged during the first year, and in no case should exceed 10 to 15 hours per week.

CERTIFICATION OF FULL-TIME STUDENTS

To be technically certified as full time, students must take a minimum of 12 credits that semester, except where federal or state regulations stipulate otherwise. (Part-time status students may not participate in any aspect of the block-scheduled program.) Exceptions to the formal definition of full-time status may occur with doctoral students doing research on their dissertations or international students taking English proficiency courses in addition to course work at the Stern School.

STUDENTS IN THE LANGONE PROGRAM: A PART-TIME PROGRAM FOR WORKING PROFESSIONALS

Students in the Langone Program typically take 6 credits per semester, in the evening, and graduate in approximately four years. Students must complete the core courses before registering for advanced courses and should do so within the first two years. (See pages 13-14 for sequence of courses.) Students in the part-time program may not take core courses during the day, but all evening and Saturday core classes are reserved for them.

CERTIFICATION OF PART-TIME STUDENTS

For purposes of determining tuition and fees, part-time students are those who are

enrolled for fewer than 12 credits that semester. For loan deferment purposes, half-time status is defined as enrollment in less than 12 but at least 6 credits. Enrollment in less than 6 credits is considered less than half time.

CHANGE IN STUDENT STATUS: PART-TIME LANGONE TO FULL-TIME PROGRAM

Prior to enrollment. In the event that a student finds that he/she needs to change programs prior to enrollment (due to special circumstances), he/she must petition the M.B.A. Admission Committee chairperson in writing. These students will be reevaluated by the M.B.A. Admission Committee. Students applying for a change in status may be invited for an evaluative interview with a member of the M.B.A. Admission Committee. Once this procedure is completed, the student will be notified in writing of the committee's decision. Permission to change status is not guaranteed and occurs rarely.

After first enrollment. Students cannot change from the part-time program to the full-time block program once they have enrolled.

Eligibility for Office of Career Development Services. Effective September 1, 1996, a student in the part-time program is eligible to participate in on-campus interviewing for full-time positions ONLY in the year of graduation. The part-time student must have a minimum of 30 credits by September of the academic year in which he/she will graduate. Part-time students who are eligible for on-campus interviewing must attend a series of career management workshops and other prescribed activities.

Effective September 1, 1997, any person who enrolls in the part-time M.B.A. Program is ineligible to participate in the bidding process for open (non-invitational) on-campus interview schedules.

In addition, only full-time block program first-year students will be eligible to participate in on-campus recruitment for summer intern positions.

All other services of the Office of Career Development (OCD), including individual career counseling, job postings, and access to OCD publications and the Career Resources Center, are available to students in the part-time program.

CHANGE IN STUDENT STATUS: FULL-TIME PROGRAM TO PART-TIME LANGONE PROGRAM

Students admitted or enrolled in the full-time block program may change to part-time status at any time. **However, once they have been authorized to change status, they may not register for any block-scheduled sections of core courses. Also, they are not eligible to participate in any aspect of the block-scheduling program should they desire to enroll for a full-time credit load.** All administrative policies pertaining to students in the part-time program will apply. See particularly Eligibility for Office of Career Development Services.

Full-time admitted applicants who have submitted enrollment deposits and who want to change their student status should write to the Admission Committee chairperson. Enrolled students should contact M.B.A. Academic Advising.

WITHDRAWAL FROM STERN

Students considering withdrawal for any reason are encouraged to discuss their circumstances and options with an adviser in M.B.A. Academic Advising. Stern is anxious to do all it can to assist students having difficulty and to facilitate their continuing in the program.

Students who have begun to take courses and then decide to withdraw from their academic program should write to M.B.A. Academic Advising formally notifying them of this intent. This will result in appropriate adjustments to the records and will eliminate future mailings. Please refer to pages 110-11 regarding refunds and page 18 regarding readmission policies and procedures.

AUDITING CLASSES

Students may audit classes by request at the time of registration or within the first five weeks of the semester. (Auditor status cannot be revoked once it has been requested.) Full tuition and fee charges apply.

VETERANS BENEFITS

Various Department of Veterans Affairs programs provide educational benefits for spouses, sons, and daughters of deceased or permanently disabled veterans as well as for veterans and in-service personnel, subject to

certain restrictions. Under most programs the student pays tuition and fees at the time of registration but will receive a monthly allowance from Veterans Affairs.

Veterans with service-connected disabilities may be qualified for educational benefits under Chapter 31. An applicant for this program is required to submit to the Department of Veterans Affairs a letter of acceptance from the college he or she wishes to attend. On meeting the requirements for the Department of Veterans Affairs, the applicant will be

given an Authorization for Education (VA Form 22-1905), which must be presented to the veterans coordinator, Office of Records and Registration, 44 West Fourth Street, 10th Floor, before registering for course work.

The VA usually sends allowance checks directly to the veteran. Veterans and eligible dependents should contact the veterans coordinator in the Office of Records and Registration each term they want VA certification of enrollment.

All veterans should reach the educational objective (bachelor's or master's degree, doctorate, or certificate) authorized by the VA with the minimum number of credits required. The VA may not authorize payments for credits that exceed scholastic requirements, that are audited, or that receive grades without a numerical value.

Veterans may obtain an application or assistance in filing for educational benefits in the Office of the University Registrar, 25 West Fourth Street, 1st Floor.

Required Notifications

Students must notify the Office of Records and Registration of the following:

1. Any change of address.
2. Withdrawal from any course (giving date of last attendance).

3. Complete withdrawal from school (giving date of last lecture attended).

4. Any apparent error in reported grades, registration, or credit.

Students who fail to comply with the last three requirements may lose certain matriculation rights.

Tuition and Fees

All fees must be paid upon registration. New students who register by mail must remit payment in full with their registration material. Students who register in person must make payment in full at the Stern Bursar's Office, located at 44 West Fourth Street, 10th Floor. Checks, drafts, or money orders are to be made payable to New York University for the exact amount due. Continuing students who register via the Web or by mail must submit payment by designated dates set by the Stern Bursar's Office: December 1 for spring, May 1 for summer, and August 1 for fall.



Students are responsible for meeting payments promptly and without notice from the University or the Stern Bursar's Office. Students are responsible for making full financial arrangements for payment of tuition and fees before registering each semester. Students who are in NYU housing must include their housing charges with the tuition payment.

The unpaid balance of a student's account is subject to an interest charge of 12 percent per annum from the due date until payment is received.

The Board of Trustees of New York University reserves the right to alter the schedule of tuition and fees (see page 110) without notice.

There are several ways to pay your tuition and fees in addition to cash, check, or money order.

Scholarship

Students receiving an NYU scholarship must inform the Stern Bursar's Office of such scholarship. Any balance not satisfied by

the scholarship shall remain the responsibility of the student, payable in full upon registration.

Tuition Remission

Students receiving NYU tuition remission must submit a properly completed and approved Application for Tuition Remission Form (available at the Stern Bursar's Office

or the M.B.A. Financial Aid Office) and enclose a check or credit card authorization for any portion of the charges not covered by tuition remission.

Employer Tuition Plans

Students sponsored by an "employer tuition plan," which is not remitting payment in full upon registration, must submit a letter from the sponsoring employer authorizing NYU to process the named student's registration; authorizing NYU to bill the sponsoring

employer for such student's tuition and fees; and unequivocally and unconditionally promising payment in full upon receipt of a bill. Those tuition reimbursement plans that have conditions attached, such as but not limited to successful completion of course or

minimum grade requirement, will not be acceptable to the Stern Bursar's Office as payment equivalent—the students must make full payment upon registration and seek reimbursement from their employer on their own.

Deferred Tuition Plan (50/50)

Degree candidates may participate in this plan under the following conditions:

- Not in arrears (past due) for any NYU charge or loan.
- Without a previously unsatisfactory NYU credit record.
- Matriculated and registering for 6 credits or more.

Under the Deferred Tuition Plan, an initial payment of 50 percent of tuition, plus all

special fees, are due in full upon registration. Under the Deferred Tuition Plan, financial aid awards, student loan credits, and any other type of credits given by NYU or an outside agency cannot be used as part of the initial payment. To calculate this initial payment, subtract the financial aid and student loan credits and any other type of credits given by NYU or an outside agency from the TOTAL CHARGES and divide this NET BALANCE in half. THIS IS THE INITIAL

50-PERCENT PAYMENT.

The second payment of 50 percent of tuition is due in full by the date specified on the deferment form. A 12 percent interest fee per annum (1 percent per calendar month or any part of) will be charged on the unpaid balance. Failure to meet payment on time will result in a penalty charge of \$25. (See the penalty schedule in the *Stern Bulletin*).

Federal Student Loans

Students who are certified by the Stern Office of Financial Aid as eligible for a Federal Subsidized or Unsubsidized Stafford Student Loan will receive a loan credit pro rata, on a semester basis, from the M.B.A. Financial Aid Office within two (2) weeks from certification. This loan credit will enable students to register without the actual loan check, which takes approximately 8 to 12 weeks to arrive.

If a loan has been certified and a loan credit is not in the Stern Bursar's Office, the student should go to the Stern Office of

Financial Aid, 44 West Fourth Street, Room 10-160.

When the actual loan check arrives at the Stern Bursar's Office, the student must go there to endorse it. If there is a credit balance after all bills are paid, a refund will be mailed directly to the student in a reasonable time.

Use of a loan credit to offset tuition payment does not relieve students of their underlying obligation to pay their tuition and fees. It is the students' responsibility to ensure that

the loan checks are actually remitted to the Stern Bursar's Office, with all the correct information to ensure proper crediting; it is the students' responsibility to endorse the loan checks in a timely manner; and it is the students' responsibility to check on the status of their loan directly with their bank if they have not received any correspondence regarding their loan after four weeks from the time that the Stern Office of Financial Aid certifies their eligibility.

Private Loan

Students who have an approved loan from a private lender or other financial resources must attach a copy of the commitment or approval letter to the Stern Bursar's Office Tuition and Fees Worksheet and Charge Card

Payment Form. Proceeds from the private loan shall be applied to the tuition pro rata on a semester basis.

Students are reminded that a loan certification by the Stern Office of Financial Aid is

neither a guarantee nor an approval of a loan from the private lender. It is the students' responsibility to apply for and comply with the application and credit requirement of the private lenders.

Enrollment Deposit (Nonrefundable)

A nonrefundable \$1,000 deposit is required upon acceptance for all full-time and part-time degree applicants.

This deposit is credited toward tuition for the term of application.

Late Payment of Fees

All late tuition payments will result in a penalty charge of \$25 plus a 12 percent interest fee per annum (1 percent per calendar month or any part thereof) on the unpaid balance.

A fee will be charged if payment is not made by the due date on the student's statement.

The University reserves the right not to accept tuition or fee payments beyond the official due date for such.

Returned Checks

Any student who submits a check to the bursar that is subsequently returned by the bank must replace that check with a certified check, money order, or cash payment

(including all penalty fees accrued). All ensuing payments to NYU must be made by certified check, money order, or cash.

Arrears Policy

The University reserves the right to deny registration and withhold all information regarding the record of any student who is in arrears in the payment of tuition, fees, loans, or other charges (including charges for housing, dining, or other activities or services) for as long as any arrears remain.

Fees and Graduation

No candidate may be recommended for a degree until all outstanding bills have been paid, including fines and/or charges on overdue or lost library materials and housing fees. The University cannot be responsible for the inclusion in the current official graduation list any candidate who pays fees after the first day of January, May, or September for degrees in those months, respectively. Following payment, and on approval of the faculty, the candidate will be recommended for the degree as of the date of the next regular University Board of Trustees meeting at which the awarding of degrees is part of the order of business.

Information to Holders of New York State Fellowships and Tuition Assistance Program Awards

Full-time students who hold New York State Fellowship Awards and Tuition Assistance Program Awards will receive credit toward tuition in the amount of their entitlement, provided they attach the Award Certificate for the applicable term to their Stern Bursar's Office Tuition and Fees Worksheet and Charge Card Payment Form.

Students receiving awards after registration will get a check from the University after the Stern Bursar's Office has received the New York State payment and the Office of Records and Registration has confirmed eligibility.

Tuition Refund

The Stern Bursar's Office will refund tuition after the student presents a withdrawal form (Program Change) approved by an authorized Stern School administrative officer. This form must be filed during the scheduled refund period for the term (see below).

Students may file a withdrawal application in person or by mail. It must be in writing, preferably on a Program Change form obtained at the Office of Records and Registration.

The date the Program Change form is filed, not the last date of class attendance, is considered the official date of the student's

Tuition and Related Fees

Application fee (nonrefundable)	\$100.00
Advanced tuition deposit, new students (nonrefundable)	1,000.00
Tuition per term for 13 to 15 credits (part-time students)	13,650.00
Tuition per term for 13 to 15 credits (second year full-time block program students) ¹	13,750.00
Tuition per term for 13 to 15 credits (new full-time block program students) ¹	14,500.00
Note: For new full-time block program students, the tuition per term will remain the same for the 2000-2001 and 2001-2002 academic years.	
Tuition per credit (1 to 12.5)	1,050.00
Registration and services fee per term for 13 to 15 credits (nonrefundable)	
Fall term ²	586.00
Spring term ³	599.00
Summer term ⁴	502.00
Registration and services fee for the first credit each term (nonrefundable)	
Fall term ²	154.00
Spring term ³	167.00
Summer term ⁴	70.00
Registration and services fee for each additional credit (1.5 to 12.5) (nonrefundable)	36.00
Computer laboratory fee (one time)	200.00
Business writing noncredit course (B00.2099 or B00.2055) (nonrefundable)	250.00
Calculus proficiency noncredit course (B00.2002) (nonrefundable)	250.00
Workshop in Fundamentals of Economics (B00.2003) (nonrefundable)	250.00

Other Fees

Basic Health Insurance Benefit Plan (full-time students, registered for 12 credits or more, automatically enrolled,^{5,6} all others can select):

Fall term	404.00
Spring term (coverage for the spring and summer terms)	608.00
Summer term (for students who did not register in the preceding term)	253.00

Comprehensive Health Insurance Benefit Plan (international students with F or J

Visa automatically enrolled,^{5,6} all others can select):

Fall term	476.00
Spring term (coverage for the spring and summer terms)	715.00
Summer term (for students who did not register in the preceding term)	298.00

UHC Only Health Insurance Benefit Plan⁶ (any student can select, but must maintain other insurance):

Fall term	212.00
Spring term (coverage for the spring and summer terms)	319.00
Summer term (for students who did not register in the preceding term)	133.00

Maintaining matriculation per year (all degrees):

Fall term	200.00
Spring/summer term	200.00

Late registration fee (nonrefundable)⁷

Late registration fee for summer session (nonrefundable)

Late payment of fees

All returned checks

Doctoral dissertation microfilming and copyright

¹ First term M.B.A. students in the full-time block program may register for 16.5 credits without additional charges. Flat-rate tuition charges apply only to the 60 credit program. Courses taken beyond 60 credits will be charged at an additional per credit rate.

² Includes mandatory emergency illness and accident plan coverage for the fall term.

³ Includes mandatory emergency illness and accident plan coverage for spring and summer term.

⁴ For a student registering for the first time in summer, a mandatory \$20.00 charge will be added to the registration and services fee.

⁵ Waiver option available.

⁶ Students automatically enrolled in the Basic Plan can switch to the Comprehensive Plan, waive the plan entirely (and show proof of other acceptable health insurance), or can select the UHC Only Plan if they have other insurance.

⁷ No registration or change of classes will be permitted after the third week of classes except for withdrawals.

Refund Schedule and Refund Policy (Tuition Only)

withdrawal and is the basis for computing a refund.

The refund period is the first four calen-

dar weeks (28 days including the first day of classes) of the term for which application for withdrawal is filed. No application filed after

the fourth week will be considered. Refund processing takes about two weeks.

REFUND SCHEDULE

This schedule is based on the total applicable charge for tuition excluding nonrefundable fees and deposits.

Withdrawal before or within the first calendar week¹ from the opening date of the term

100%

Withdrawal within the second calendar week from the opening date of the term

70%

Withdrawal within the third calendar week from the opening date of the term

55%

Withdrawal within the fourth calendar week from the opening date of the term

25%

Withdrawal after completion of the fourth calendar week of term

NONE

Refunds granted for credit card charges will be credited to those accounts.

The registration and services fee and the health services fee are not refundable in any case.

REFUND POLICY

Students who drop their courses during the above stated schedule periods will be refunded according to the stated refund percentage. Students can drop their courses by mail or fax (212) 995-4424, or in person at the Office of Records and Registration, Kaufman Management Center, 44 West Fourth Street, Room 10-80, (212) 998-0660.

Students wishing an exception to the published refund schedule may appeal to the Refund Committee in writing and document the circumstances warranting consideration.

Serious illness or military service may be considered a cause for an exception. Travel required for a job or other job-related issues are not reasons for an exception to the refund policy. Requests should be submitted to M.B.A. Academic Advising, Stern School of Business, New York University, Kaufman Management Center, 44 West Fourth Street, Room 10-160, New York, NY 10012-1126.

¹ The first calendar week consists of the first seven (7) calendar days starting with the official opening date of the term, similarly for subsequent calendar weeks.

Examinations and Grades

Final examinations are given at the end of each term. Students must pass the examination or its substitute to receive credit for any course. Students unable to take the final examination because of serious illness should request the instructor to give an “incomplete” grade and grant permission to take a makeup examination.

A makeup examination must be taken within five months from the date the course ended and may not be used to raise a final grade.



Computing Grade Point Average

To determine grade point average, divide the total number of credits completed into the total number of honor credits granted. For example, a student completing 20 credits with 50 honor credits would have a grade point average of 2.5. The grade point average

includes grades in all courses taken while registered in a particular program, whether or not they fulfill any program requirements. Grades of “P,” “W,” or “N” are not computed into the grade point average.

Stern Scholar

A student in the M.B.A. Program will be designated “Stern Scholar” in the term that he or she completes at least the first 30 credits of Stern Graduate Division courses with no grades of incomplete and a grade point aver-

age of 3.7 or above. (The student becomes eligible only once in his or her career—during the semester when he or she first completes at least 30 credits.)

Incomplete Grades

There are two “incomplete” grades indicating that the student has not completed required course work but can do so outside of class with permission and guidance of the original instructor. “Sitting in” during the following semester is not permitted. Incomplete grades lapse if the required work is not finished in one semester from the end of the semester in which the “incomplete” is issued, i.e., by June 1 for courses taken in the fall and by January 1 for courses taken in the spring and summer terms. Graduating students who receive incomplete grades may not graduate until the course has been completed. The change of grade request completing an IP or IF must be received by the Office

of Records and Registration by the first day of the month in which the student expects to graduate (e.g., May 1 for May graduation). For most doctoral seminars, incomplete grades lapse if the required work is not completed within one year. However, doctoral students majoring in finance must finish incomplete courses within six months. The two “incomplete” grades are as follows:

IP—Course Work Incomplete. Student was passing at the time the grade was submitted. This grade becomes an “N” (no credit) if the work is not made up.

IF—Course Work Incomplete. Student was failing at the time the grade was

Grades and Honor Credits

The Stern School Grading System is as follows:

Grade	Honor Points	Description Value
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Fair
C-	1.7	
D+	1.3	
D	1.0	Work satisfying minimum requirements for credit
F	.0	
		Failing

submitted. This grade becomes an “F” if the work is not made up.

Only the instructor has the authority to

grant incomplete grades. Students must specifically request incomplete grades from the instructor and fill out the Request for

Incomplete Grade form before the last day of class. Forms are available in the Office of Records and Registration.

Other Grades

The following grades also have no numerical value and are not included in the grade point average.

S—Satisfactory. The grade “S” is used for dissertation seminars.

R—Registered Auditor. Students may not retake a course for credit in which an “R” is granted. Auditor status should be noted at the time of registration on the registration card or within the first five weeks of class. Auditor status cannot be revoked once

it has been requested. Students must pay full tuition for a course taken as a registered auditor.

The next two administrative grades can be issued only through official procedures:

W—Withdrawal. Means the student voluntarily and officially withdrew from the course and received no credit. Students may drop any course for which they are registered and automatically receive a “W” by processing a Program Change form at the Office of

Records and Registration any time through the last day of the ninth week of class for the semester. (See exact dates in the Calendar on the inside front cover.) Students who receive a “W” may retake the course for credit provided they reregister and pay to take the course again.

N—No Credit. Used to indicate that an “IP” has lapsed.

Grades for Workshops

The Business Writing Workshop is graded on a Pass/No Credit basis. The Data Analysis, Calculus, Economics, and Accounting Work-

shops are assigned a grade of “R” (Registered Auditor).

Grades in the International Management Program

Grades received while in the International Management Program (IMP) are not factored into the student's overall grade point average. A total grade of “P” is listed on the student's transcript, for the number of credits successfully passed while abroad.

Repeating Courses

Grades of F (including those received from incomplete—“IF”—lapses) are included in the grade point average and remain on a

student's record even after the student has repeated the course and received a passing grade. Students may not repeat courses in

which they have previously received passing grades.

Grade Reports

At the end of each term, grades are posted on the Web site, and a grade report is mailed to each student.

Transcripts of Record

Academic transcripts will be issued free of charge on a student's written request and authorization. Applications for transcripts, certifications, and other statements should be addressed to the Stern School of Business Office of Records and Registration with correct information on years of attendance, all NYU schools attended, and the name and

address of the official to whom the material is to be mailed.

Under the general practice of colleges and universities, complete official transcripts and certifications are sent directly by the University, not the applicant. No partial transcripts of University records may be issued. Once a final examination period has begun, no

transcript will be forwarded for any currently enrolled student until all the student's final grades have been received and recorded. Please notify the Office of Records and Registration immediately of any change of address.

Arrears Policy

The University reserves the right to deny registration and withhold all information regarding the record of any student

in arrears in paying tuition, fees, loans, or other charges (including charges for housing, dining, library, or other activities

or services) for as long as any arrears remain.

Family Educational Rights and Privacy Act

Annually, New York University informs students of their rights under the Family Educational Rights and Privacy Act (FERPA) and the regulations relating to FERPA promulgated by the Department of Education. Together, FERPA and the FERPA regulations provide that (a) each student has a right to inspect and review his or her education records; (b) each student may request that any such record be amended if he or she believes that it is inaccurate, misleading, or

otherwise in violation of the student's rights of privacy; (c) the University will obtain the student's written consent prior to disclosing personally identifiable information about the student from his or her education records, unless such consent is not required by FERPA and the FERPA regulations; (d) each student has a right to file a complaint with the Family Policy Compliance Office of the Department of Education if he or she feels the University has failed to comply with

the requirements of FERPA and the FERPA regulations; and (e) each student may obtain a copy of the University's Guidelines for compliance with the Family Educational Rights and Privacy Act. These Guidelines are available from the Office of Academic Program Review, Bobst Library, Room 1106. Assistant Chancellor Barnett W. Hamberger, director of that office, is responsible for administering FERPA at New York University. His telephone number is (212) 998-2310.

Access to Records

Requests for record reviews at the Graduate Division of the Stern School of Business should be directed to Beth Rubin, KMC, 44 West Fourth Street, Suite 10-80. Students

who wish to review their records must complete a record request form in the Office of Records and Registration. The request should specify what records are to be inspect-

ed. Students will be notified when the records are available for inspection.

Amendment of Records

If a student believes that any of the education records relating to her or him contain information that is inaccurate, misleading, or in violation of her or his rights of privacy, she or he may ask the University to correct or delete such information. The student may also ask that additional explanatory material be inserted in the record. Requests for amendment of a record or the addition of explanatory material should be submitted at the conclusion of the record review on form

PL 93-3803, available from the appropriate record review officer. The reasons for the request should be set forth on the form and should clearly identify the part of the record the student wants changed and specify why it is inaccurate or misleading. There is no obligation on the part of the University to grant such a request. If the University declines to amend the records as requested by the student, it will so inform the student, and the student may request a hearing. The right

to challenge the contents of an educational record may not be used to question substantive educational judgments that have been correctly recorded. For example, a hearing may not be requested to contest the assignment of a grade. Grades given in the course of study include written evaluations that reflect institutional judgment of the quality of a student's academic performance. Information concerning hearing procedures is outlined in the University's FERPA Guidelines.

Disclosure of Personally Identifiable Information

Among other exceptions authorized by FERPA, prior consent of the student is not needed for disclosure of directory information (see next section) or for disclosure to school officials with a legitimate educational interest in access to the student's educational record. School officials having a

legitimate educational interest include any University employee acting within the scope of her or his University employment and any duly appointed agent or representative of the University acting within the scope of her or his appointment. In addition, the University may, in its sole discretion, forward education

records to the officials of another institution (a) in which a student seeks or intends to enroll if that institution requests such records, or (b) if the student is enrolled in, or receiving services from, that institution while she or he is attending NYU.

Notice Designating Directory Information

Pursuant to FERPA and FERPA regulations, New York University hereby designates the following categories of student information as "directory information." Such information may be disclosed for any purpose, at the discretion of the University, except as provided below.*

Category I Name, dates of attendance, NYU school or college, class, previous institution(s) attended, major field of study, degree(s) conferred (including dates), honors and awards (including dean's list)

Category II Past and present participation in officially recognized sports and activities, physical factors (e.g., height, weight of athletes), date and place of birth

Currently enrolled students may refuse to permit disclosure of this information. To do so, a student should complete a form requesting nondisclosure at the Office of the Records and Registration. A hold will be placed on the release of directory information filed with the Registrar, which will remain in effect until the student files a written request to remove it. A request not to dis-

close directory information may apply to Category I, to Category II, or to both, but there cannot be selective exclusion of items within either Category.

If a student does not specifically request the withholding of directory information by filing the appropriate University form, as indicated above, the University assumes that he or she approves of the disclosure of such information. The University disclaims any and all liability for inadvertent disclosure of directory information designated to be withheld.

* Under federal law, address information, telephone listings, and age are also considered directory information for military recruitment purposes.

Student Code of Conduct

On May 31, 1988, the faculty of the Stern School of Business approved a Student Code of Conduct. This code covers guidelines

regarding submission of work, taking of exams, and use of resource facilities. All students are required to sign and abide by this

code. Copies are available in the M.B.A. Student Activities Office.

Discipline

Students are expected to familiarize themselves and to comply with the rules of conduct, academic regulations, and established practices of the University and of the Stern

School. If, pursuant to such rules, regulations, or practices, the withdrawal of a student is required before the end of the term for which tuition has been paid, a refund will be

made according to the standard schedule for refunds (see page 111).

University Policy on Patents

Students offered research opportunities are reminded that inventions arising from participation in such research are governed by

the University's Statement of Policy on Patents, available in the *Faculty Handbook* or from the Office of Professional Programs.

Graduation Requirements

Pre-Commencement is the Stern School's own graduation ceremony to be held on May 9, 2001, the day before the University Commencement exercises. Pre-Commencement activities include speakers, presentation of candidates for graduation, and conferring of prizes and awards. A reception follows. Invitations for the 2001 Pre-Commencement will be sent to those graduating in September 2000 and January 2001 and those who file to graduate in May 2001.

Commencement is the University's graduation ceremony at Washington Square to be held on May 10, 2001. The ceremony includes a major address, a student valedictory, the awarding of honorary degrees to distinguished individuals, and the conferring of degrees for all thirteen schools and colleges of New York University. One ceremony a year is held for September, January, and May graduates. The Stern School hosts a reception for alumni, graduates, and guests after Commencement.



Declared Major

The major requested on the student's application is considered his/her declared major. Students who wish to change their

declared major should notify M.B.A. Academic Advising.

Maximum Credits in a Major

No more than 18 advanced credits may be taken in a single major. This 18-credit maximum does not include the core course of the department and does not increase when core course substitutions are granted. A course is

counted in the department that offers it, identified by the first three digits of the course number. (For a more detailed explanation of Stern's course numbering system, see page 9.)

Credits taken above the 18-credit maximum in a major will not count toward the M.B.A. degree.

Expected Graduation Date

The expected graduation date of a student is calculated as two years after matriculation for full-time students and four years for part-

time students. Students who expect to graduate either earlier or later should indicate the

change on their registration cards or notify the Office of Records and Registration.

Application for Degree Candidacy

Candidates for graduation in January must file an application for degree candidacy in the Office of Records and Regis-

tration not later than October 1 in the year before their expected graduation. Candidates for May graduation must file no later than

February 1 of the year they expect to graduate; for September graduation, the filing deadline is June 1.

Minimum Residency Requirement

M.B.A. candidates must complete a minimum of 45 credits at the Stern School. Students are expected to do the full M.B.A. Program at Stern. Ph.D. candidates must complete a minimum of 33 credits at the School.

All candidates for the Master of Science (in Statistics and Operations Research) degree must complete a minimum of 10 courses or 30 credits at the Stern School.

Master of Science (in Mathematics/Statistics and Operations Research) candidates must complete 10 courses or 30 credits in residence.

Minimum Program Progress

All M.B.A. and M.S. students must complete course work in the semester for which they are admitted; those who do not must reapply. Students must complete at least 6 credits of course work each academic year, enrolling in at least one course the first semester. At least 24 credits must be completed by the end of three years. **Students unable to**

maintain this pace may not continue in their respective programs. Students should note that although these minimums are required for the specified periods, it is necessary to proceed at a faster pace to finish each program within the following time limits:

- M.B.A.: maximum of six years

- M.S. Statistics and Operations Research: maximum of five years
- M.S. Information Systems, part time: maximum of three years
- M.S. Information Systems, full time: maximum of one year

Maintaining Continuous Matriculation/Leaves of Absence

Degree candidates must maintain continuous matriculation during the entire duration of the program. Students are required to enroll each fall and spring semester; summer semesters are optional.

M.B.A. candidates must request a leave of absence from M.B.A. Academic Advising for any fall or spring semester for which students are unable to enroll. A leave of absence must also be requested if students drop all courses after registration begins or withdraw from all courses during the semester. Letters of request must include the reason(s) a leave of absence is necessary and the semester in which enrollment is expected to resume. If a leave of absence is granted, students must

pay a fee to maintain matriculation (see Tuition and Fees section). The fee is calculated on a per semester basis and must be paid at the time the leave is granted. Leave of absence approval is contingent on payment of this fee. Leaves of absence are included in the time limit for completion of all degree programs. Students are not eligible to continue in their degree programs unless a leave of absence has been granted and the matriculation fee has been paid.

Ph.D. and M.S. students who will not be enrolled for courses must seek approval from their degree Program Office. When approval is granted, students must maintain matriculation by paying a fee calculated on a semester

basis (see Tuition and Fees section). Paying a maintaining matriculation fee does not extend the time limit required for completion of degree programs.

Maintaining continuous matriculation reserves a student's place in the degree program as a continuing student. It also provides for the continued mailing of registration materials and any other special notice Stern periodically sends to enrolled students. Further, it allows students access to University facilities and services such as the library and health services. Lastly, maintaining matriculation enables students to apply for student health insurance if coverage is needed.

Scholastic Requirements

Students must maintain a minimum grade point average while matriculated in degree programs. The following are minimums students must meet:

- 1-14 credits: if GPA is less than 2.1, student is placed on academic probation
- 15-29 credits: if GPA is less than 2.1, student is dismissed from the program
- 30 or more credits: if GPA is less than 2.3, student is dismissed from the program

When grades are available after each semester, students who do not meet the minimum requirements are notified by M.B.A. Academic Advising, on behalf of the Scholastic Standing Committee, that they are on academic probation or that they may not continue in the program. Students who are dismissed from the program and who have registered by mail or in person prior to receiving these letters are withdrawn from their courses and given a full tuition refund. (Students with low averages are urged not to

register for the next term if there is any chance their grade point average will fall below these minimums when all the current semester's grades are in.)

Doctoral candidates must maintain at least a 3.0 average. For complete details, see the Ph.D. handbook.

Pass/no credit grades do not affect a student's academic average. For information on computing the grade point average, see Examination and Grades section.

Fees and Graduation

No candidate can graduate until all required fees are paid. See page 110 under tuition and related fees for further details.

Graduation with Distinction

The Stern School awards the Master of Business Administration and Master of Science degrees "with distinction" to outstanding

students in the top 10 percent of their graduating class. Courses taken that are in the IMP (International Management Program) are

not included in the grade point average or in calculation for distinction (see section under grading on page 112).

Beta Gamma Sigma

The highest scholastic honor a graduate business student can achieve is to be elected

into Beta Gamma Sigma, the national honor society for business students. Students

in the top 20 percent of their graduating class are invited to join.

Prizes

The Alex S. Auerbach Award. The family and friends of the late Alex S. Auerbach have established this annual memorial award for a student, not yet graduating, who has shown a high degree of service to the School and the community.

Beta Gamma Sigma Alumni in New York City Award. An award is presented annually to a graduating student from each of the metropolitan area collegiate schools of business. It recognizes outstanding character, scholastic achievement, participation in collegiate affairs, and potential in civic, business, or professional leadership.

The Dean's Award. Each year, awards are given for outstanding scholarship to candidates who have completed all the requirements for an advanced degree.

W. Edwards Deming Award. Given annually by Delta Pi Sigma, New York University's statistics honor society, to a graduating M.B.A. student who has demonstrated excellence in statistics.

The John W. Harriman Award. Mrs. Harriman has established a prize and a medal in memory of John W. Harriman and his contribution as vice dean in starting the day program at the Stern School. The award goes to a graduating full-time student judged to have an outstanding record and potential in the fields related to international business.

The Shigekumi Kawamura (M.B.A. '58) Award. Established in memory of our distinguished alumnus, member of the Stern Board of Overseers, and NYU trustee, for outstanding academic achievement in the area of international business.

The Joseph Kolodny Prizes. The National Association of Tobacco Distributors has established these prizes to honor Joseph Kolodny, its founder and managing director. These prizes are awarded to outstanding students majoring in marketing and management.

The Herman E. Krooss Award. Given in memory of Professor Herman E. Krooss to the Ph.D. graduate who has completed

the course of studies with distinction and has presented an outstanding doctoral dissertation.

The Ernest Kurnow Award. Given to a graduating M.S. student in statistics and operations research who has demonstrated excellence in the field of statistics.

The Hector Lazo Memorial Award in Marketing. Friends and former students of the late Professor Hector Lazo established this annual memorial award for a full-time marketing student who has completed requirements of the M.B.A. with highest promise and scholarship.

The Harold W. MacDowell Award. Established to honor the memory of the long-time director of the Stern School's doctoral program, a citation is awarded annually to the Ph.D. candidate who best exemplifies qualities of and dedication to scholarship.

The Money Marketeers International Award. The Money Marketeers award annually a prize to an international student who has completed requirements for an advanced degree with the highest scholastic rating in banking and finance.

The Money Marketeers Marcus Nadler Award. The Money Marketeers award annually the Marcus Nadler key and a prize to a graduate student who has completed requirements for an advanced degree with the highest scholastic rating in banking and finance.

The Money Marketeers Prize. The Money Marketeers award annually a prize to a graduate who has completed requirements for an advanced degree with excellence in the fields of banking and finance.

The New York State Society of Certified Public Accountants Award. The New York State Society of Certified Public Accountants presents annually an award with the society's seal, a scroll, and a one-year subscription to the *New York Certified Public Accountant* to the candidate for an advanced degree who has com-

pleted the curriculum required for admission to the New York CPA examination with the highest general average in accounting.

The New York University Alumnae Club Award. The Alumnae Club of the University awards annually certificates of appreciation for high scholarship and general participation in extracurricular affairs to successful women candidates for an advanced degree.

The New York University Tax Society Prize. The New York University Tax Society presents an annual award to a candidate with the highest scholarship in the field of taxation.

The Harold Price Entrepreneurship Award. Established by the Price Institute for Entrepreneurial Studies, for a student pursuing an entrepreneurial career who has attained outstanding achievement in studies and student leadership.

School Service Awards. The dean of the Stern School recognizes with awards graduating students who have performed meritorious service to the School and the University.

The Society for Information Management Award. This award is presented by the Greater New York Chapter of the Society for Information Management to a graduating student majoring in information systems who has demonstrated outstanding scholarship.

The Leonard N. Stern School of Business Alumni Association Award. This award is given to the student of the graduating class who ranks highest in achievement and scholastic attainment.

The Joseph H. Taggart Award. The alumni of the Stern School have established the Joseph H. Taggart Award to be conferred annually to a graduating student whose contributions and service to the School and University have been significant.

Westchester-Fairfield Alumni Award. An engraved pen set is awarded to the student with the highest grade point average in the Westchester M.B.A. Program.

Career Development and Placement

The Office of Career Development (OCD) invites graduate business students to join in partnership with our staff to ensure you receive the maximum career benefits from your education. Of students who use our services, about 60 percent will likely find employment upon graduation through on-campus interviews and other activities connected with our office. The remaining 40 percent of our students find work as a result of a more proactive off-campus job search. Stern M.B.A. students seek opportunities in a diversity of industries and functions from investment banking to dot-com ventures to consumer products marketing and management careers in entertainment.



Your relationship with OCD is a reciprocal one. We provide the tools and resources for effective job search planning and you provide the networking initiative and enthusiasm.

Office of Career Development

44 West Fourth Street

Suite 10-66

(212) 998-0623

www.stern.nyu.edu/ocd

Office Hours

Monday, Tuesday 8:30 a.m.-7 p.m.

Wednesday, Thursday 8:30 a.m.-6 p.m.

Friday 8:30 a.m.-5 p.m.

Career Resources Center

Office Hours

Monday-Thursday 9 a.m.-8 p.m.

Friday 9 a.m.-5 p.m.

Saturday noon-5 p.m.

The Office of Career Development offers a wide range of services to help M.B.A. students in career planning and job placement. OCD's formal on-campus recruitment program requires completion of a series of workshops and other prescribed activities.

Once a student has graduated, he or she is ineligible to participate in on-campus recruitment.

Any person who enrolls in the part-time M.B.A. Program is eligible to participate in the on-campus recruitment for full-time employment in the year of their graduation (provided they have fulfilled all requirements).

Please note: Effective September 1, 1997, any student who enrolls in the part-time program is ineligible to participate in the bidding component of on-campus recruitment. In addition, part-time students are not eligible to garner summer internships through the on-campus recruitment.

OCD services can be divided into three broad categories: recruiting and job placement; career counseling; and the Career Resources Center.

Recruiting and Job Placement

Students who use the services under the recruiting and job placement umbrella find their desired jobs through on-campus interviews, job postings, and other proactive processes.

Each year corporate representatives come to NYU Stern during the fall and spring semesters to interview graduating students

for full-time employment; also in the spring, they interview first-year M.B.A. students for summer intern positions. Most of these companies host corporate presentations in the early fall in order to share information about their firms' activities and strategies and to discuss the essential work skills and lifestyle considerations unique to their firms' corpo-

rate cultures. Cosponsored by Stern student clubs, these presentations are particularly useful for helping students to develop a sharper career focus through networking opportunities.

To ensure that corporate recruiters have the opportunity to review the résumés of Stern students, OCD publishes Résumé

Books that are indexed by students' areas of interest, language skills, international work authorization, professional licenses,

and other categories. Students résumés are also available on-line in a password protected site.

After on-campus recruiting is over, OCD provides résumé collections in order to fulfill a company's individual hiring needs.

Career Counseling

Through individual career counseling, students receive personalized assistance in developing their career goals and job search strategies; writing résumés and cover letters as marketing documents; and preparing for interviews.

Through the Career Management Series (CMS), the counseling staff instructs students on how to conduct a successful job search. The CMS is comprised of a skills and values assessment/career goal definition,

alumni, and second-year student discussion panels; workshops covering résumé writing; informational interviewing and networking; the proactive job search; and interviewing skills.

Career Connections is a valuable program created by the counseling staff in order to assist those students who do not obtain a full-time or summer placement through formal recruitment. Students attend a series of strategy meetings to explore the job search

process outside of on-campus recruiting.

One of the most valuable services run by OCD, the Career Advisory Program (CAP) is designed to provide M.B.A. students an opportunity to meet with successful corporate representatives and Stern alumni for an informational meeting. These corporate representatives share their knowledge, insight, and experiences with students, helping to bridge the gap between classroom theory and the realities of the business world.

The Career Resources Center

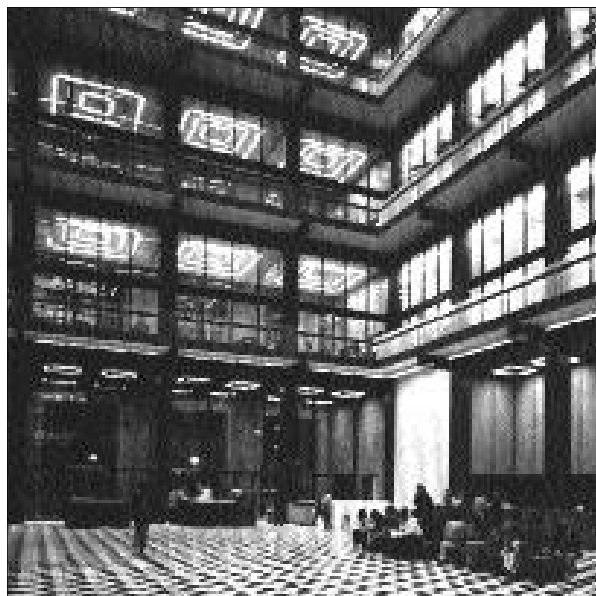
The Career Resources Center (CRC), located on the first floor of the Kaufman Management Center, houses a Bloomberg terminal; annual reports and recruiting literature on hundreds of companies; volumes of job-search and industry-related reference books;

a job postings binder; videotapes of most corporate presentations; and the Career Management Series and other OCD-sponsored workshops. The CRC continually updates and increases subscriptions and business references to reflect students' career interests.

OCD, in conjunction with the NYU Stern computing department, has provided a career search terminal in Stern School's computing lab, UC-70.

School and University Facilities and Services

The Stern School of Business and NYU provide a range of services and facilities that support graduate education and enhance student life.



Library Services

Elmer Holmes Bobst Library and Study Center
70 Washington Square South
Business and Social Sciences/Documents Center, 6th Floor
www.nyu.edu/library/bobst

Library resources and services for the Stern School of Business are provided within the context of the main University library, the Elmer Holmes Bobst Library and Study Center, located at 70 Washington Square South. During the regular academic year normal service hours in the center are as follows:

Monday-Thursday	9 a.m.-10:45 p.m.
Friday	9 a.m.-7 p.m.
Saturday	10 a.m.-6:45 p.m.
Sunday	1-8 p.m.

Hours for special units within Bobst and hours during vacation and holiday periods may vary. For current library hours, consult Bobst Library Information Bulletin 1 or call (212) 998-2520.

Orientation tours of Bobst Library are scheduled at the beginning of each semes-

ter. A schedule of these tours is posted several weeks in advance. There is also a "virtual" Web tour available at www.nyu.edu/library/virtual/welcome.htm.

For Stern School students, Bobst Library provides a wide variety of information resources intended to support the School's instructional and research program. Located on the 6th Floor of Bobst, the Business and Social Sciences/Documents Center houses a general and international business reference collection of over 5,000 volumes as well as a collection of annual reports and 10-K statements (in most cases dating back to 1974) for all New York and American Stock Exchange companies. For company and industry information, students may use Dow Jones News Retrieval service, DataStream, Disclosure Global Access, and over twenty compact disk and remote database products.

All sectors of the financial services industry are covered including the stock and bond markets, futures, options, banking, and insurance. The Center includes an international business collection with particular emphasis in marketing and finance. All

areas of the world are covered, and Western Europe is particularly well represented.

The Center is a depository for both U.S. and U.N. documents and other international organizations (IMF, World Bank, OECD, ILO). These two collections contain a wealth of information that supports domestic and international business research. Library faculty with special expertise in business are available by appointment in the Center. They offer research guidance to students working on papers, projects, or other research assignments.

The Center has four group study rooms, numerous study tables, and a special area that supports laptop Internet connections. There are individual study carrels and lockers available to graduate students on a semester basis.

Stern students have access to all seven of the distinct libraries at the University as well as the NYU-affiliated libraries at the New School, Cooper Union, and Parsons. The holdings of the University library system alone total over 4.2 million volumes.

A broad spectrum of computing services and facilities is available to Stern faculty, students, and staff.

ELECTRONIC MAIL AND STERN SCHOOL ON-LINE INFORMATION

Stern students are able to access electronic mail from the labs and information terminals throughout the Kaufman Management Center (KMC) and Tisch Hall and from home via a modem. Stern students automatically receive E-mail accounts on the sales and trader Sun servers. A student's E-mail address is the username, followed by @stern.nyu.edu.

A Stern School home page on the World Wide Web (WWW) provides information about academic and administrative departments. Its "address" (URL) is www.stern.nyu.edu. Specific information about computing at Stern can be found at its Computing and Information Technology group (CIT) Web site at www.stern.nyu.edu/cit.

STERN MICROCOMPUTER LABS

The PCs in the labs are connected to the Stern network and offer access to Novell and Sun servers and the Internet. Laser printing is available for microcomputer applications and time-sharing printing.

The lab software running under *MS Windows NT* includes the following:

Microsoft Office 97 Professional

- *Word 97* for word processing
- *Excel 97* for spreadsheet analysis
- *PowerPoint 97* for presentation graphics
- *Access 97* for database management

There are also various course-related software programs, such as *MINTAB* and *Lindo*, as well as *Bloomberg* (an on-line financial information service) and *Lexis/Nexis* (a diverse on-line information service for course assignments). Additional *Lexis/Nexis* and *Bloomberg* terminals are available in the 5th Floor graduate reading room of KMC.

The microcomputer labs are located in KMC UC 70 and Tisch L100. Labs are open seven days a week. Their hours are as follows: Monday-Thursday, 7:30 a.m.-11 p.m.; Friday-Saturday, 9 a.m.-8 p.m.; Sunday, 9 a.m.-11 p.m. In addition, Tisch UC 49 Graduate Communication Center has a number of

Pentium computers and has been configured to accommodate students using notebook computers.

Upon entry to a lab, students must display a valid NYU ID card for verification of enrollment in the Stern Business School. Students should be prepared to present a printed schedule, along with an ID, to verify enrollment in Stern classes. Students who are not enrolled in Stern but who are taking Stern classes may be asked to present a verification of enrollment from the registrar and to fill out a request for access. Students not taking Stern classes are not allowed access to the labs. Login authorization by username and password is required.

RECOMMENDATIONS FOR STERN STUDENTS

Much of the PC work that you will do as a business student will consist of text processing, spreadsheets applications, and statistical analysis. These activities will be greatly facilitated by owning a computer. This will allow you to be independent of the microcomputer labs, especially during periodic peak periods and holidays when access to facilities may be limited.

All M.B.A. students must have access to a personal computer. Stern makes the following recommendations on PC ownership.

If you already have a PC, you can use it. If you are planning to buy a PC, or if you want to upgrade to take advantage of more modern technology, we strongly recommend a notebook computer, which you can carry with you and use both at Stern and elsewhere. The recommended minimum configuration for purchase of a notebook computer running *MS Windows 98* is as follows:

- Pentium Processor running at 300MHz or faster
- 4GB or larger hard drive
- 64 MB or more RAM memory
- 3Com Etherlink, LAN+ 56K modem PC card

Stern's software recommendation is *Microsoft Office 97 Professional (Word 97, Excel 97, PowerPoint 97, Access 97)*. In addition, a printer is recommended.

Information regarding student discounts on computer hardware and software is available from the NYU Computer Store at 242 Greene Street, (212) 998-4672.

WORKING FROM HOME

If you want to access the Internet or the Stern Sun servers from home, you must own a modem with at least 56K speed and v.90-compliance. With a modem, you can dial in to the NYU modem pool to connect to the Stern systems.

NYU's Academic Computing Facility provides all NYU students with Direct Internet Access Link (DIAL) connections. There are also several commercial Internet access providers, such as AT&T World Net. The user can browse the World Wide Web (WWW), telnet to computers on the Internet (including the SUN servers at Stern), transfer files to and from a home PC to computers on the Internet via FTP, and access Usenet news. For more information, please see the *Dialing In to Stern and the Internet* handout (also available on WWW).

POLICY SUMMARY FOR STERN STUDENTS

Access to Stern computing and networking resources, including hardware, software, computer-based files and data, the Stern network, and other networks reached via Stern facilities, is limited to authorized users and is for approved purposes only. Copying of software, unauthorized installation of software, and unauthorized reconfiguration of systems are expressly forbidden. Each student is expected to use Stern's computing resources in an ethical and legal manner and has the following responsibilities:

- to preserve the quality of computing and networking facilities.
- to utilize the computer resources for the sole purpose of facilitating his or her own work as a Stern student.
- to respect the privacy and reasonable preferences of other users, including the privacy of their accounts and data and any confidential or privileged information to which the student may have access.
- to maintain the integrity and security of the systems and network, including the safeguarding of passwords, codes, and other privileged information.

OTHER FACILITIES AND SERVICES

Stern has forty "smart" classrooms. Each podium has a networked notebook comput-

er and projection equipment. *Microsoft Office 97 Professional* is installed on each, so faculty and students can easily use *PowerPoint 97* for slideshows in class.

Stern's Sun servers provide E-mail, Internet access, and a variety of application software, including *SAS* and *SPSS* for statistical analysis, C, C++, and FORTRAN.

Research databases available at the Stern School include *Basic Economics*, *Compus -*

tat, *CRSP*, and *Global Vantage*. The first three databases provide information for U.S. companies and markets, such as economic indicators, corporate financial data, and market indices for stocks and bonds. *Global Vantage* is a database of international financial and market information.

Stern's CIT group offers computer training sessions and in-class presentations. The sessions run for several weeks at the start of

each semester. For more information, check the Stern WWW home page.

CIT also prepares short handouts, available in the labs and on the home page, about various software packages. For additional information, or a list of frequently asked questions, please see the *Computing at Stern* handout.

Residence Accommodations

University-owned housing for graduate students consists of unfurnished studio space and leased apartments in Greenwich Village, furnished graduate and professional space adjacent to the NYU dental and medical centers in midtown, and a graduate/undergraduate residence on Third Avenue between East 9th and East 10th Streets. Every student living in graduate housing is assigned a roommate.

M.B.A. candidates may remain in housing for two years, while Ph.D. candidates may remain up to three years. Residency contracts may be signed for nine months or one year, with nine-month or one-year renewal options to follow, provided that the student maintains full-time status in good

standing in a Stern School degree program.

New students for the fall term who submit their tuition deposits by May 1 have an optimal chance of securing housing. Most apartments are available for September occupancy although some openings may become available for those students beginning the program in January or June.

Admitted full-time students who wish to be considered for University housing should request that housing information be sent to them when they submit the tuition deposit. Applications must be returned by July 1 for those enrolling in September, and December 15 for those enrolling in January. Assignments will be made soon after these deadline dates.

OFF-CAMPUS HOUSING OFFICE

NYU's Off-Campus Housing Office, under the auspices of the Department of Housing and Residence Life, assists members of the NYU community in their search for information about non-University housing options. The office is open only to current and newly admitted NYU students.

Located at 4 Washington Square Village on the corner of Mercer and Bleecker Streets, the office is open daily from 9 a.m.-5 p.m., Monday-Friday; (212) 998-4620. Web site: www.nyu.edu/housing/offcampus.

Campus Safety

The safety of its students is of the utmost concern to New York University. The University has a comprehensive safety program that includes training, protection, and education. As part of the overall plan, the NYU Protection Services provides a force of 215 uniformed officers who are on duty at campus facilities and patrol 24 hours a day by foot,

bicycles, and vehicles. Residence halls have 24-hour security or doormen. The bus and escort van service provide safe transport to residence hall locations and off-campus University facilities.

In accordance with federal regulations, New York University annually publishes its *Campus Security Report*. A copy of this

report is available by contacting the Office of Student Life, 31 West Fourth Street, New York, NY 10012-1119; (212) 998-4953. This report includes campus crime statistics for the previous three years and also contains institutional policies concerning campus security and crime prevention, alcohol and drug abuse, and sexual harassment.

NYU Guest Accommodations

Prospective students and their families visiting New York are invited to stay in Club Quarters, a private hotel convenient to the University. Located in a newly renovated turn-of-the-century building in New York's

historic Financial District, the hotel offers concierge services, a health club, and room service, among other amenities. If space is available, weekend University guests may also stay at the midtown Club Quarters,

located in a landmark building that is close to shopping, Broadway theatres, and Rockefeller Center. For information and reservations, call (212) 443-4700.

Campus Dining Services

Keeping up with the ever-changing food trends, NYU's Really Cookin'! has everything from traditional American cuisine, ethnic dishes, and popular brands like Burger King® and Pizza Hut Express®. Also available are low-fat, vegan, and vegetarian dining options at 10 different dining sites, including a food court, outdoor café, five

dining rooms, and two late night snack bars, which make eating on campus convenient for all.

Students can choose from 11 distinctive meal plans. On-campus and off-campus residents who subscribe to NYU meal plans have the freedom to use their NYUCard for meals, beverages, and snacks.

Each of the following dining locations accepts cash, Campus Cash, Torch, meal plans, and Declining Dollars.

Courtyard Café (Third Avenue North), 75 Third Avenue (at 12th Street)

Founder's Café, 50 West Fourth Street (at the NYU Information Center)

Hayden Dining Hall, 33 Washington Square West

Kosher Eatery (with meat and dairy options), 5-11 University Place

Rubin Dining Hall, 35 Fifth Avenue

University Café (Java City), 110 East 14th Street

University Hall Atrium Dining Room, 110 East 14th Street

The Violet Café, 79 Washington Square East

Weinstein Dining Hall, 5-11 University Place, Lower Level

Weinstein Food Court and Java City, 5-11 University Place, Street Level

University Health Center

The mission of the New York University Health Center (UHC) is to provide and promote high-quality, accessible, and cost-effective treatment, prevention, and education in response to the needs and concerns of its students. To this end, a comprehensive range of services is offered in a facility with state-of-the-art equipment and highly qualified health care professionals.

Health care at UHC is available to all registered NYU students. Students covered under an NYU insurance plan must first seek treatment at the UHC, except in emergencies. Students covered under private health insurance may telephone Patient Accounts at (212) 443-1010, to determine if the UHC has a billing relationship with its insurance company.

A scheduled appointment is the preferred method to receive services at UHC.

Typically, a health care provider will be available to see you in Primary Care Services based on appointment availability and your scheduling needs. Patients who cannot wait for an appointment due to the nature of their illness or injury will receive assistance through Urgent Care Services.

The UHC also offers a wide range of additional services, including the following specialty services: allergy and immunization; dermatology; ear, nose, and throat; endocrinology; gastroenterology; gynecology/women's health; minor surgery; neurology; occupational medicine; orthopedics; ophthalmology; performing arts medicine; podiatry; pulmonology; sports medicine; and travel medicine. Appointments for specialty services may be made after a medically warranted referral from a UHC health care provider. Additional programs and services include Center for Health Promotion; chiropractic; HIV services; laboratory; nutrition services; optometry; pharmacy; physical and occupational therapy; and radiology and ultrasound.

The general hours of operation are academic year (September through May), Mon-

day-Friday, 8 a.m. to 8 p.m.; Saturday and Sunday, 10 a.m. to 6 p.m. During the summer (June through August), the hours are Monday-Friday, 8 a.m. to 6 p.m. and Saturday, 10 a.m. to 6 p.m. The UHC is closed during certain University holidays. For hours of individual departments and holiday schedules, please call the UHC at (212) 443-1000.

The UHC is located at 726 Broadway, 3rd Floor. For more information, call (212) 443-1000; E-mail health.center@nyu.edu; or visit the UHC Web site www.nyu.edu/pages/health.

AFTER-HOURS CARE

In case of a life- or limb-threatening emergency, please dial 911. For a non-life- or non-limb-threatening health emergency, or when UHC is closed, please call Protection Services at (212) 998-2222. You will be connected with Tisch Hospital's emergency room, where a physician will provide advice over the telephone and determine if you need to come to the emergency room or can wait to see a health care provider at the UHC the following day.

INSURANCE SERVICES

New York University students in degree-granting programs are required to maintain health insurance. Most students are enrolled automatically in an optional NYU-sponsored student health insurance plan as part of the University's registration process. The plan in which students are enrolled automatically varies according to school, credit load, and visa status. For more specific information, please refer to the *Student Health Insurance Handbook*, send E-mail to the office at health.insurance@nyu.edu, or call the Student Health Insurance Services Office at (212) 443-1020.

NYU sponsors three student health insurance plans: the Basic Plan, the Comprehensive Plan, and the UHC Only Plan. Students enrolled in the NYU-sponsored student

health insurance program may switch from the Basic Plan to the Comprehensive Plan, or vice versa. Students maintaining their own health insurance can supplement their coverage by enrolling in the UHC Only Plan, or they can waive any of the optional student health insurance plans (and corresponding charge) entirely. Also, students who otherwise are eligible for the program but who do not meet the credit load requirement for automatic enrollment may enroll in any NYU-sponsored student health insurance plan voluntarily.

To select, change, or waive coverage, students must submit a completed Student Health Insurance Selection/Waiver Form to the Student Health Insurance Services Office before the applicable enrollment/waiver deadline. Doing so will ensure that students are enrolled in the plan of their choice.

Except for medical emergencies and when living outside the borough of Manhattan, students insured under any NYU-sponsored student health insurance plan are required to first seek treatment and be evaluated at the University Health Center (UHC) for any sickness or injury. A medical emergency refers to an acute illness or injury that is life- or limb-threatening or may permanently affect the quality of life. It is the student's responsibility to notify the plan administrator, Chickering Claims Administrators, Inc., (800) 466-4148, of any emergency or elective hospital admission. Detailed information about the NYU-sponsored student health insurance plans is included in the *Student Health Insurance Handbook*. To obtain a copy of the booklet and/or the Student Health Insurance Selection/Waiver Form, please visit or call the Student Health Insurance Services Office at (212) 443-1020, located at the UHC, 726 Broadway, 4th Floor. You may also contact the office via E-mail at health.insurance@nyu.edu.

Office for African American, Latino, and Asian American Student Services

The Office for African American, Latino, and Asian American Student Services (OASIS) is responsible for providing a broad array of outreach programs, services, and activities to assist the University in its efforts to enroll, retain, and graduate students of African, Latino, and Asian descent. Services and programs offered through OASIS include the following:

EDUCATIONAL AND CULTURAL PROGRAMS

- Educational and Cultural Institute/UnderOneRoof
- Asians in America Conference
- D-Day
- The -ISM Project

STUDENT DEVELOPMENT AND LEADERSHIP TRAINING

- Leadership Institute Internship

- Three-Tier Mentorship Program
- FACTS Program
- OASIS Envoys
- Diversity Education Internship
- The Leadership Resource Center

ACADEMIC ENRICHMENT SERVICES

- Strategic Networking for Academic Performance (SNAP)
- OASIS Learning Initiative
- Timbuktu Academic Resource Center

GRADUATE AND PROFESSIONAL SCHOOL OUTREACH

- Graduate School Forum
- Binary Solutions
- Law School Fair
- Institute for the Recruitment of Teachers
- Career Advantage Internship Program

- Career Advantage Internship Résumé Book
- Career-NET

ALUMNI INITIATIVES

- Life After NYU Series
- Alumni Links
- Asian/Pacific American Alumni
- Alumni of Color

SOCIAL AND CULTURAL PROGRAMS

- Welcome Reception
- Open Houses
- Nia Awards Celebration
- University Commencement Reception
- OASIS in the Community Day

The office, located at 31 West Fourth Street, 3rd Floor, is open from 9 a.m. to 5 p.m., Monday through Friday; telephone: (212) 998-4343.

Campus Store/ The NYU Book Centers

The New York University Main Bookstore, located at 18 Washington Place, stocks required and recommended course books, both new and used; a complete selection of hardcover and paperback general books; current best-sellers; children's books and clothing; study aids; and NYU sportswear, stationery, and gifts. Registered students can get a printout of required and recommended textbooks at the store on the text level. The main telephone number is (212) 998-4667.

Regular store hours are 10 a.m. to 7:15 p.m., Monday-Thursday and 10 a.m. to 6 p.m., Friday and Saturday. Store hours are extended beginning one week prior to the start of classes and continuing through the first two weeks of classes. Call the store or check the Web site for more information.

Book inquiry systems [TextTone: (212) 443-4000 and the Web site: www.bookc.nyu.edu] are available two weeks prior to the start of a new semester. Registered students, using a Touch-Tone telephone or the Internet, can inquire about, get a listing of, and purchase optional and required course books 24 hours a day with a major credit card. Orders will be shipped via UPS ground within two business days.

COMPUTER STORE

The Computer Store, located at 242 Greene Street, (212) 998-4672, or computer.store@nyu.edu, offers educationally priced hardware and software. Books, CDs, film supplies, accessories, small electronics, repair services, and computing

supplies are also available. At the start of each semester, students can take advantage of a no-interest computer loan for up to \$3,000 with deposit, with the deferred interest computer purchase program.

PROFESSIONAL BOOKSTORE

The Professional Bookstore, located at 530 La Guardia Place, (212) 998-4680, or prof.books@nyu.edu, serves the Leonard N. Stern School of Business (Graduate Division), the School of Law, and the Robert F. Wagner Graduate School of Public Service with course books, sportswear, stationery, and gifts.

Forms of payment include MasterCard, Visa, American Express, Discover, and NYU-Card Campus Cash.

The Jerome S. Coles Sports and Recreation Center

The Jerome S. Coles Sports and Recreation Center fills the recreational needs of the University's students, faculty, staff, and alumni. The Center's operating schedule provides the opportunity to participate in programs at varying skill levels—recreational courses, free play, intramural activities, and varsity or club teams.

The Center provides the following facilities: a roof with a 1/6-mile, three-lane run-

ning track, plus a playing surface that will accommodate six tennis courts, soccer practice, and intramural touch football; a natatorium with an NCAA regulation swimming pool and diving tank; six squash courts and five handball/racquetball courts; a large, modern weight-training room, plus two annexes containing Universal and Nautilus machines, plus free weights, StairMasters, VersaClimbers, Lifesteps, Cybex hip

machines, rowing machines, and abductor/adductor machines; and individual rooms for wrestling/judo, fencing, physical fitness/calisthenics, dance, and exercise prescription instruction.

Lockers, recreational equipment, and the Pro-Shop are available to members. The Center sells tickets for home and away intercollegiate events.

Coles Center is available to all students

who are registered for credit-bearing courses and who hold currently valid ID cards. Students who are maintaining matriculation must pay an additional \$60 per term (\$45 for summer) for the use of Coles. Other members of the University community may purchase memberships.

The Coles Sports and Recreation Center is located at 181 Mercer Street (between Bleecker and West Houston Streets), (212)

998-2020. The Center is barrier-free to facilitate access for persons with disabilities.

CHELSEA PIERS

Special arrangements have been made for New York University students to take classes and join the sports and entertainment complex at Chelsea Piers. The complex includes an outdoor, multitiered golf driving range, batting cages, in-line skating rinks, ice-skat-

ing rinks, rock-climbing walls, a 1/4-mile indoor track, indoor sand volleyball courts, and many other facilities. Information about discounted daily admission fees, registration for Chelsea Piers courses at reduced rates, and special monthly membership fees can be obtained by calling the Coles Recreation Office at (212) 998-2028 or by picking up a brochure at the Coles Membership Office.

Students with Disabilities

The Henry and Lucy Moses Center for Students with Disabilities provides services within the fourteen schools and colleges of the University. Located at 240 Greene Street, 4th Floor, the center provides services to populations with hearing and visual impairments, mobility impairments, and learning disabilities and to students with chronic conditions, such as AIDS and psychiatric disorders.

Services include the provision of sign lan-

guage interpreters, readers, notetakers, and other ancillary aides. The center works in conjunction with academic and administrative departments in providing assistance with registration and housing. Tuition aid for returning students is also available through a special application process.

Access to Learning, a comprehensive support program for students with learning disabilities, functions under the center's auspices.

The center also sponsors numerous programs and life skills workshops, as well as the Career Enhancement Program, which assists students in obtaining employment in the private sector.

Telephone (212) 998-4980 (voice and TDD) for more information. All contacts with the center are strictly confidential.

Office for International Students and Scholars

The Office for International Students and Scholars coordinates services for international students and scholars. The OISS issues certificates of eligibility for F-1 and J-1 student visas, advises on all matters pertaining to student immigration status, and serves as the University's liaison to the United States Immigration and Naturalization Service. Advisers are available every day to assist students with immigration, employment, finan-

cial, personal, and cross-cultural concerns.

The OISS sponsors programs to facilitate international students' adjustment to their new environment and to ensure continued success during their studies at New York University. Programs include a comprehensive orientation; a university-based friendship program that provides international students the opportunity to share common interests with NYU faculty, staff, alumni, and friends;

trips to spots of local and regional cultural interest; cross-cultural and educational seminars; and festivals celebrating U.S. and world cultures.

The office is located at 561 La Guardia Place and is open from 9 a.m. to 5 p.m., Monday through Friday; telephone (212) 998-4720; E-mail: intl.students.scholars@nyu.edu; Web site: www.nyu.edu/pages/osl/offices/oiss.

The M.B.A. Student Activities Office

The main functions of the M.B.A. Student Activities Office revolve around the M.B.A. student groups at Stern. The M.B.A. Student Activities Office is a resource for student groups that provides guidance as it relates to their activities and helps facilitate interaction with various constituents at NYU. One of the goals of the M.B.A. Student Activities Office is to increase dialogue between stu-

dent groups and administrators and to provide constructive ideas and feedback for student-run activities. Specific responsibilities range from playing a large role in planning Pre-Term for new students to details such as assigning lockers to full-time block students. Publications produced by the M.B.A. Student Activities Office include the *M.B.A. Student Leaders' Handbook*, the *Student Group*

Information Booklet, and the *Stern School Student Directory*. The M.B.A. Student Activities Office is located at 44 West Fourth Street, Suite 6-50, New York, NY 10012-1126; Web site: www.stern.nyu.edu/mba.stud-act; telephone: (212) 998-0930; and E-mail: stud-act@stern.nyu.edu.

M.B.A. Student Groups

Stern Student Corporation (SCORP) is Stern's M.B.A. student government for both full-time and part-time M.B.A. students. SCORP oversees student organizations and acts as the liaison between students, faculty, and administration. scorp@stern.nyu.edu

The **Asian Business Society (ABS)** promotes interest in U.S. and Asian business and

cultural interaction through a wide array of programs for M.B.A. students, faculty, staff, alumni, and the corporate community. abs@stern.nyu.edu

The **Association of Hispanic and Black Business Students (AHBBS)** serves as the primary link between the Hispanic and Black student body and the

academic and professional communities. abbs@stern.nyu.edu

The **Association of Investment Management (AIM)** provides resources for M.B.A. students who are interested in researching and pursuing either buy-side or sellside career opportunities. aim@stern.nyu.edu

The **Emerging Markets Association (EMA)** provides a forum for students to discuss the economic, financial, and business issues in emerging market countries. ema@stern.nyu.edu

The **Entrepreneurs' Exchange (EE)** fosters entrepreneurial curiosity by providing an environment conducive to pursuing entrepreneurial paths and by providing focused resources, education, networking opportunities, and career guidance. ee@stern.nyu.edu

The **European American Business Forum (EABF)** is aimed at students who are interested in augmenting Stern's International Business curriculum, both professionally and socially, with a focus on Europe. edbf@stern.nyu.edu

The **Financial Engineering Association (FEA)** educates students about opportunities in financial engineering by organizing discussions on relevant financial engineering topics and maintaining a Web site with current trends and career possibilities in financial engineering. fea@stern.nyu.edu

The **Graduate Finance Association (GFA)** works closely with both the school and the financial community to educate and prepare students for finance related careers, including investment banking, investment management, sales and trading, commercial banking, and general finance. gfa@stern.nyu.edu

The **Graduate Marketing Association (GMA)** explores the marketing of products and services across a wide variety of businesses and industries. GMA is a comprehensive resource and source of support for Stern students in their transition from the classroom to the corporate world of marketing. gma@stern.nyu.edu

The **Japan Business Association (JBA)** offers the Stern community the opportunity to experience Japanese culture and the chance to learn about Japanese business and economy. jba@stern.nyu.edu

The **Latin American Business Association (LBA)** promotes and facilitates cultural and professional exchange between Latin America and the Stern community. lba@stern.nyu.edu

The **Lesbian and Gay Business Association (LGBA)** brings Stern's lesbian and gay community together as a professional network. LGBA is a social, educational, and career development resource for gay and lesbian students, alumni, faculty, administration, and the broader LGBA community. lgb@stern.nyu.edu

The **Management Consulting Association (MCA)** assists students in their pursuit of management consulting careers by raising awareness of career opportunities in this industry and educating members on the responsibilities of management consultants. mca@stern.nyu.edu

Managing Operations for Competitive Advantage (MOCA) promotes operations management careers, fosters interaction between students and operations faculty outside the classroom, and provides a bridge between current students and Stern alumni working in operations careers. moca@stern.nyu.edu

The **Media and Entertainment Association (MEA)** educates members about careers in media and entertainment by acting as a link to alumni, industry, academic, and career resources. mea@stern.nyu.edu

Net Impact is an international network with chapters at major business schools. Net Impact provides career development opportunities for students interested in socially responsible business and fosters discussion regarding the environment, community development, and corporate responsibility. impact@stern.nyu.edu

The **Real Estate Club** brings together students interested in all aspects of this business segment by sponsoring events that foster job search contacts, meaningful discussion on industry trends, and valuable skill-set development. reclub@stern.nyu.edu

The **Sales and Trading Club** educates members about the sales and trading industry and prepares them for the M.B.A. interview process through mock interviews, recruiting events, and guest speakers. stclub@stern.nyu.edu

SpeechMasters was founded with the objective of helping students become better oral communicators. The club helps sharpen and refine students' communication skills in order to complement the analytical and quantitative skills developed in the classroom. speech@stern.nyu.edu

The Stern Journal is a publication written by M.B.A. students that is devoted to showcasing the unique perspectives and strengths of the M.B.A. candidate regarding the compelling business issues of the day. sjournal@stern.nyu.edu

The Stern Opportunity is a student produced publication that strives to achieve a working balance between serious information and entertainment. Each issue features stories ranging from student group activities to job market influences to dating. opportun@stern.nyu.edu

The **Stern Outdoor Club** provides Stern students with opportunities to engage in group recreational activities outside the confines of the Stern building and the usual M.B.A. routine. Activities include hiking, biking, charitable 10K runs, and ice skating. outdoor@stern.nyu.edu

Stern Partners was founded to enhance the social lives of Stern students' significant others by offering social diversions both at Stern and outside of the NYU campus. Activities include wine tastings, museum trips, and outings to local sporting events.

The **Stern Rugby Club** provides a social environment in a sporting context where a broad mix of M.B.A. students from all nationalities and backgrounds can meet current students and alumni and take part in an exciting team sport. rugby@stern.nyu.edu

The **Stern Soccer Club** provides a nonacademic environment for members to build camaraderie and enjoy the sport with other soccer enthusiasts. soccer@stern.nyu.edu

Stern Women in Business (SWIB) promotes female students' personal and professional development by providing networking and social interaction opportunities with Stern students, faculty, administrators, and alumni as well as the outside business community. swib@stern.nyu.edu

The **Technology and New Media Group (TANG)** is the home for new media and technology-focused M.B.A. students at Stern. The club provides a valuable forum for dialogue between M.B.A.'s and the leaders of the rapidly evolving technology landscape. tang@stern.nyu.edu

Community Service

A tradition of service is deeply rooted in the institutional life of New York University. Through community service, one can enhance leadership skills, build new relationships, and find self-fulfillment. Consistent with our mission to foster volunteerism, the Leonard N. Stern School of Business offers numerous community service projects for its students. As part of our Pre-Term activities, all new full-time students participate in projects to assist local social service organizations. Recent activities have included cooking dinner at a soup kitchen, cleaning a shelter, and cleaning up a community park. The Community Action Committee, a subcommittee of the Student Corporation, organizes a wide variety of service activities.



Those interested in consulting, entrepreneurship, or economic development may join other groups, such as the Urban Business Assistance Corporation (UBAC). Students participating in UBAC provide education and consultation services for minority and women-owned businesses. Participants gain valuable business experience and have a chance to earn some extra money while providing a service to small business clients in manufacturing, retail, and service industries. UBAC is a registered not-for-profit corporation governed by an external board of directors.

Many other service activities initiated by students draw the attention of the Stern community. To obtain more information concerning your participation in community service projects at the Stern School of Business, please contact the Stern Student Corporation at scorp@stern.nyu.edu.

Development and Alumni Outreach

The Office of Development and Alumni Outreach serves as the primary link between the Stern School and its graduates. It is our goal to create an environment that stimulates continued interest on the part of our alumni to be proud and supportive of their school, to participate in sponsored activities, and to contribute resources that enable the School to pursue excellence.



Stern Development and Alumni Outreach serves 50,000 alumni in 98 countries who remain connected today more easily than ever before thanks to the many resources that Alumni Outreach provides: the Alumni Association's more than 50 worldwide alumni chapters; local and regional events; a new interactive alumni database with E-mail forwarding for life; career resources and job postings; the Alumni Advisors program; and publications such as *Stern Alumni* and *Stern Business* are all tools to help alumni stay in touch with Stern and with each other. The office also works with the Office of the Dean, the faculty, and other administrative offices to provide opportunities for students to interact with alumni and friends of the School in informal meetings and in larger, more formal settings. Examples are as follows:

- **The Dean's Leadership Series**, in which small groups of students meet with business leaders such as William R. Berkley, Chairman and President of W. R. Berkley Corporation; Philip R. Cowen, Chairman, President, and CEO of Alpha Wire Corporation; Steve Florio, President and CEO of Condé Nast Publications; Abby F. Kohnstamm, Senior Vice President of Marketing at IBM; and Harvey Golub, Chairman and CEO of American Express Company.

- **The Charles Waldo Haskins Award**, Stern's most prestigious award, is presented annually at the Haskins Award Dinner. Named for the founding dean of the Stern School, the award recognizes individuals whose careers have been characterized by the highest level of achievement in bridging the business and public sectors. Past recipients

have included Paul Volcker, former Chairman of the Federal Reserve Board; Alan Greenspan, current Chairman of the Federal Reserve Board; Henry Kaufman, President of Henry Kaufman & Co.; and William H. Donaldson, former Chairman and CEO of the New York Stock Exchange.

- **The "Meet the Chief Executive" Series**, which has brought students into contact with John Welch, Chairman and CEO of General Electric; Harvey Golub, Chairman and CEO of American Express; Shelly Lazarus, CEO of Ogilvy & Mather; and Jon Corzine, Chairman and Senior Partner of Goldman, Sachs.

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- **The Integrative Strategy Exercise (ISE)** and other courses and case studies, bring prominent alumni and friends of the School into the classroom as speakers, advisers, and "board members."

- **Student groups, such as the Asian Business Society and Stern Women in Business**, which frequently consult with the Alumni Outreach Office on the involvement of alumni leaders in their activities and events.

The Office of Development seeks to raise funds to provide the necessary resources for one of the nation's premier business schools. The contributions received from individuals, corporations, and foundations enable Stern to continue building its academic and pro-

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It is the goal of the Office of Alumni Outreach to make the department and alumni visible to current students and to create opportunities for alumni to interact with

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The Office of Development and Alumni Outreach is located at 40 West Fourth Street, New York, NY 10012-1118.

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Accounting	0502	M.B.A., M.Phil., Ph.D.
Accounting (CPA Program) ³	0502	M.B.A., M.S.
Economics	0517	M.B.A., M.Phil., Ph.D.
Executive M.B.A.	0506	M.B.A.
Finance	0504	M.B.A., M.Phil., Ph.D.
Executive M.B.A. in Finance	0504	M.B.A.
General Management ⁴	0506	M.B.A.
Information Systems	0701	M.B.A., M.Phil., Ph.D.
Information Systems	0702	M.S.
Management and Organizational Behavior	0506	M.B.A., M.Phil., Ph.D.
Marketing	0509	M.B.A., M.Phil., Ph.D.
Mathematics/Statistics and Operations Research	1799	M.S.
Statistics and Operations Research	0507	M.B.A., M.S., M.Phil., Ph.D.

Joint Degree Programs ¹

PROGRAM¹	HEGIS NUMBER²
B.A.-M.S. (in Statistics and Operations Research) (with the College of Arts and Science)	0507
B.S.-M.S. (in Statistics and Operations Research) (with the Undergraduate College of the Stern School)	0507
J.D.-M.B.A. (with the School of Law)	1401 ⁵
M.A. (in Politics)-M.B.A. (with the Graduate School of Arts and Science)	4999 ⁵
M.A. (in French Studies)-M.B.A. (with the Graduate School of Arts and Science)	0312 ⁵
M.P.A.-M.B.A. (with the Wagner Graduate School of Public Service)	2102/1202 ⁵
M.S. (in Biology)-M.B.A. (with Graduate School of Arts and Science)	0401 ⁵

¹ As registered by the New York State Education Department, Office of Higher Education and the Professions, Cultural Education Center, Room 5B28, Albany, NY 12230; telephone: (518) 474-5851.

² HEGIS: Higher Education General Information Survey.

³ Professional Licensure qualified.

⁴ Offered only at Manhattanville College campus.

⁵ M.B.A. portion registered under individual HEGIS codes depending upon M.B.A. major.

*Travel Directions to the Stern School of Business**



Lexington Avenue Subway: Local to Astor Place Station. Walk west on Astor Place to Broadway, then south on Broadway to Waverly Place, and west on Waverly Place to Washington Square.

Broadway Subway: Local to Eighth Street Station. Walk south on Broadway to Waverly Place, then west on Waverly Place to Washington Square.

Sixth or Eighth Avenue Subway: To West Fourth Street-Washington Square Station. Walk east on West Fourth Street or Waverly Place to Washington Square.

Seventh Avenue Subway: Local to Christopher Street-Sheridan Square Station. Walk east on West Fourth Street to Washington Square.

Port Authority Trans-Hudson (PATH): To Ninth Street Station. Walk south on Avenue of the Americas (Sixth Avenue) to Waverly Place, then east to Washington Square.

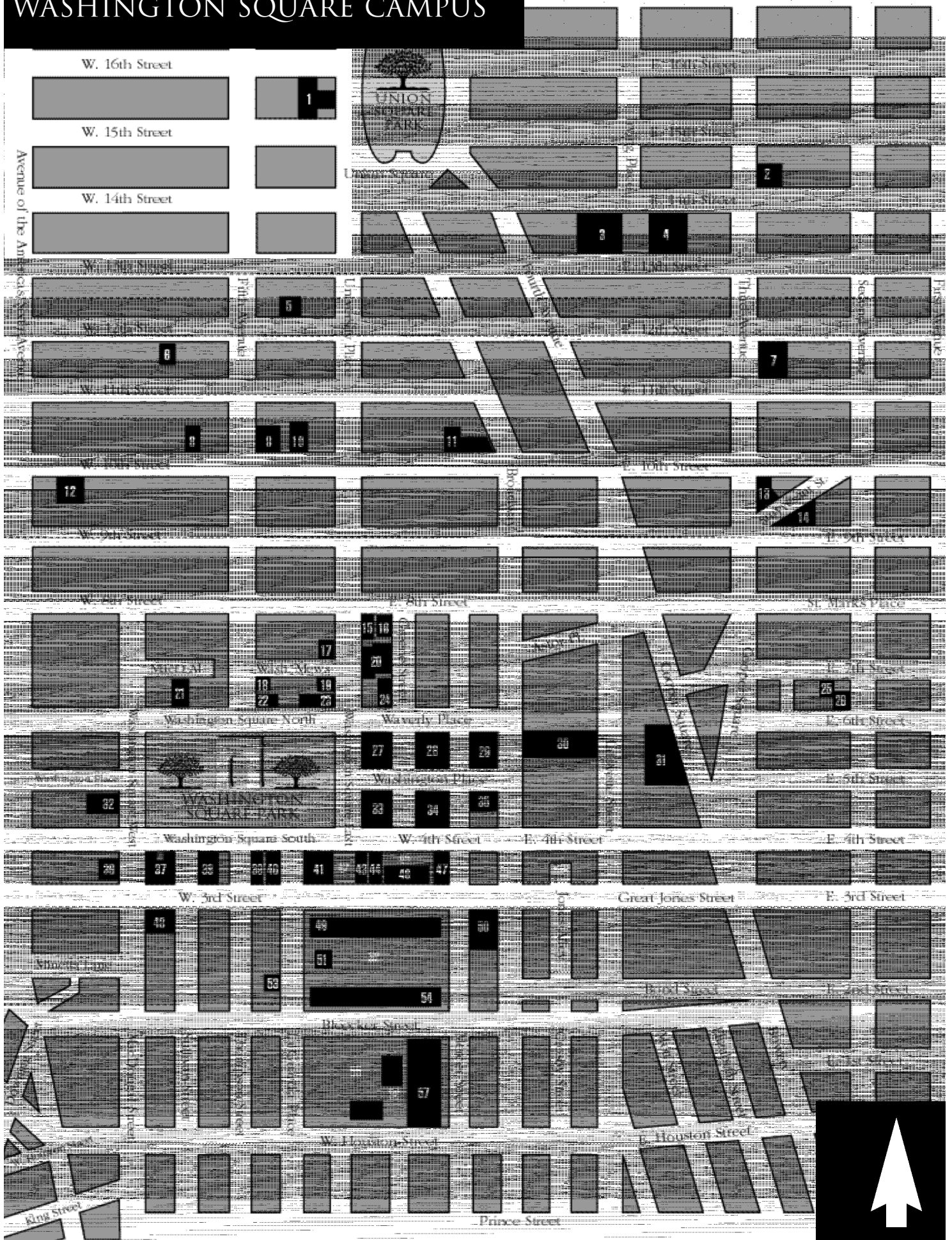
Fifth Avenue Bus: Buses numbered 2, 3, 5, and 18 to Eighth Street and University Place. Walk south to Washington Square. Bus numbered 1 to Broadway and Ninth Street. Walk south on Broadway to Waverly Place and west to Washington Square.

Eighth Street Crosstown Bus: Bus numbered 8 to University Place. Walk south to Washington Square.

Broadway Bus: Bus numbered 6 to Waverly Place. Walk west to Washington Square.

* See Washington Square Campus map and key for specific addresses.

WASHINGTON SQUARE CAMPUS



Key to Buildings

- 1 **Carlyle Court**
25 Union Square West
- 2 **Coral Towers**
*201 East 14th Street
(under construction)*
- 3 **University Hall**
110 East 14th Street
- 4 **Palladium Residence Hall**
*140 East 14th Street
(under construction)*
- 5 **7 East 12th Street**
- 6 **Casa Italiana Zerilli-Marimò**
24 West 12th Street
- 7 **Third Avenue North**
75 Third Avenue
- 8 **11 West 10th Street**
- 9 **Rubin Residence Hall**
35 Fifth Avenue
- 10 **Bronfman Center**
7 East 10th Street
- 11 **Brittany Residence Hall**
55 East 10th Street
- 12 **Lillian Vernon Center for International Affairs**
58 West 10th Street
- 13 **Alumni Hall**
33 Third Avenue
- 14 **Barney Building**
34 Stuyvesant Street
- 15 **19 University Place**
- 16 **Cantor Film Center**
36 East Eighth Street
- 17 **Deutsches Haus**
42 Washington Meus
- 18 **Glucksman Ireland House**
1 Washington Meus
- 19 **La Maison Française**
16 Washington Meus
Institute of French Studies
15 Washington Meus
- 20 **Weinstein Center for Student Living**
5 University Place
- 21 **Undergraduate Admissions**
22 Washington Square North
- 22 **One-half Fifth Avenue**
- 23 **1-6 Washington Square North**
- 24 **Rufus D. Smith Hall**
25 Waverly Place
- 25 **Seventh Street Residence**
40 East Seventh Street
- 26 **111, 113A Second Avenue**
- 27 **Main Block**
a MAIN BUILDING
*100 Washington Square East/
33 Washington Place*
b WAVERLY BUILDING
24 Waverly Place
c BROWN BUILDING
*29 Washington Place/
245 Greene Street*
- 28 **Kimball Block**
a KIMBALL HALL
240 Greene Street
b TORCH CLUB
18 Washington Place
c COMMUTER COMMONS
16 Washington Place
d 285 MERCER STREET
e MERCER LOUNGE
7 Washington Place
f STUDENT ACTIVITIES ANNEX
21 Washington Place
- 29 **Broadway Block**
a 715 BROADWAY
b 719 BROADWAY
- c 721 BROADWAY
- d 1 WASHINGTON PLACE
- e 3 WASHINGTON PLACE
- f 5 WASHINGTON PLACE
- 30 **University Health Center**
726 Broadway
- 31 **48 Cooper Square**
- 32 **Hayden Residence Hall**
33 Washington Square West
- 33 **Education Block**
a PLESS HALL
82 Washington Square East
b PLESS ANNEX
*82 Washington Square East
(26 Washington Place)*
c 18 WASHINGTON PLACE
d EAST BUILDING
239 Greene Street
e EDUCATION BUILDING
35 West Fourth Street
f GODDARD HALL
80 Washington Square East
- 34 **Student Services Block**
a 25 WEST FOURTH STREET
b STUDENT LIFE CENTER
240 Greene Street
c 242 GREENE STREET
d CARTER HALL
10 Washington Place
e 8 WASHINGTON PLACE
f 14, 14A WASHINGTON PLACE
g 269 MERCER STREET
- 35 **Meyer Block**
a MEYER HALL
4 Washington Place
b PSYCHOLOGY BUILDING
6 Washington Place
- 36 **Provincetown Playhouse**
133 MacDougal Street
Lawyering Program
137 MacDougal Street
- 37 **Vanderbilt Hall**
40 Washington Square South
- 38 **Judson Block**
a KEVORKIAN CENTER
50 Washington Square South
b SKIRBALL DEPARTMENT
53 Washington Square South
c KING JUAN CARLOS I CENTER
53 Washington Square South
d FUCHSBERG HALL
249 Sullivan Street
- 39 **Catholic Center at NYU**
*58 Washington Square South
(non-University building)*
Thompson Center
238 Thompson Street
- 40 **Kimmel Center for University Life**
*566 La Guardia Place
(under construction)*
- 41 **Bobst Library**
70 Washington Square South
- 42 **Schwartz Plaza**
- 43 **Shimkin Hall**
50 West Fourth Street
- 44 **Kaufman Management Center**
44 West Fourth Street
- 45 **Gould Plaza**
- 46 **Tisch Hall**
40 West Fourth Street
- 47 **Courant Institute**
251 Mercer Street
- 48 **D'Agostino Hall**
110 West Third Street
- 49 **561 La Guardia Place**
- 50 **Mercer Street Residence**
240 Mercer Street
- 51 **Wolf Center**
547 La Guardia Place

Key to Services and Activities

COLLEGES AND SCHOOLS

- 29c Tisch School of the Arts
- 27a College of Arts and Science
- 44, 46 Leonard N. Stern School of Business
- 34a School of Continuing and Professional Studies
- 33a School of Education
- 29a Gallatin School of Individualized Study
- 23 Shirley M. Ehrenkranz School of Social Work
- 23 Graduate School of Arts and Science
- 37 School of Law
- 23 Robert F. Wagner Graduate School of Public Service

INSTITUTES, CENTERS, AND PROGRAMS

- 31 American Language Institute
- 10 Bronfman Center for Jewish Student Life
- 6 Casa Italiana Zerilli-Marimò
- 47 Courant Institute of Mathematical Sciences
- 17 Deutsches Haus
- 33f 80 Washington Square East Galleries 1st Floor
- 18 Glucksman Ireland House
- 27a Grey Art Gallery 1st Floor
- 33d Higher Education Opportunity Program 8th Floor
- 19 Institute of French Studies
- 38a Kevorkian Center
- 38c King Juan Carlos I of Spain Center
- 19 La Maison Française
- 38b Skirball Department of Hebrew and Judaic Studies
- 23 Urban Research Center (Wagner)
- 12 Lillian Vernon Center for International Affairs

UNDERGRADUATE ADMISSIONS

- 21 22 Washington Square North
- 51 Wolf Center

GRADUATE ADMISSIONS

- 29c Tisch School of the Arts 7th Floor
- 22 Graduate School of Arts and Science
- 44 Stern School of Business 10th Floor
- 33a School of Education 2nd Floor
- 29a Gallatin School 6th Floor
- 48 School of Law 2nd floor
- 23 Wagner Graduate School of Public Service Room 11
- 23 Ehrenkranz School of Social Work Basement

BURSAR

- 34a Student Services Center 1st Floor

CLASSROOM CENTER

- 34a Lower Concourse

DINING

- 20 Director Basement
- 28b Torch Club

STUDENT DINING

- 32 Hayden Residence Hall 1st Floor
- 43 Founders Café 1st Floor
- 20 Food Court
- 9 Rubin Residence Hall 1st Floor
- 7 Third Avenue North
- 3 University Hall
- 33f Violet Express 1st Floor
- 20 Washington Square Deli (kosher)
- 20 Weinstein Center Basement

FINANCIAL AID

- 34e Student Services Center 1st Floor

HOUSING

- 34e Director, University Housing Office 1st Floor
- 34f Summer Housing Office 1st Floor
- 54 Off-Campus Housing Office

UNIVERSITY RESIDENCES

- 13 Alumni Hall
- 11 Brittany Residence Hall
- 1 Carlyle Court
- 2 Coral Towers
- 48 D'Agostino Residence Hall
- 33f Goddard Hall
- 32 Hayden Residence Hall
- 50 Mercer Street Residence
- 4 Palladium Residence Hall
- 9 Rubin Residence Hall
- 25 Seventh Street Residence
- 7 Third Avenue North
- 3 University Hall
- 20 Weinstein Center
- Broome Street Residence Hall
400 Broome Street (not shown)
- Lafayette Residence Hall
80 Lafayette (not shown)
- Twenty-sixth Street Residence
334 East 26th Street (not shown)
- Water Street Residence
200 Water Street (not shown)

UNIVERSITY APARTMENTS

- 56 Silver Towers
- 52 Washington Square Village

LIBRARIES

- 41 Bobst Library
- 47 Courant Institute Library
12th Floor
- 37 Law Library 1st Floor

UNIVERSITY REGISTRAR

- 34a Student Services Center 1st Floor

RELIGIOUS ORGANIZATIONS

- 10 Bronfman Center for Jewish Student Life 7 East 10th Street
- 39 Catholic Center at NYU
- 39 Islamic Center
- 39 Protestant Campus Ministries Room 802

STUDENT ACTIVITIES AND AFFAIRS

- 28f Fraternity and Sorority Life
- 28a Kimball Commons
(under construction)
- 28f LGBT Office 3rd Floor
- 29f Operations
- 29f Program Board
- 29f Program Office
- 28d Student Activities 1st Floor
- 34b Student Life Center 2nd Floor

STUDENT SERVICES

- 34b African American, Latino, and Asian American Student Services 3rd Floor
- 57 Athletics, Intramurals, and Recreation Entrance Level
- 33c Book Center
- 29b Career Services
- 39 Center for Music Performance
- 57 Coles Sports Center
- 34a Community Service 3rd Floor
- 21 Counseling and Advisement (admissions)
- 52 Counseling Services, University Building 3
- 34b Disabilities, Moses Center for Students with, 4th Floor
- 22 Graduate School of Arts and Science Graduate Enrollment and Academic Services
- 30 Health Center 3rd and 4th Floors
- 43 Information Center 1st Floor
- 49 International Students and Scholars 1st Floor
- 39 Judicial Affairs
- 34f Lost and Found
- 34c NYU Computer Store
- 53 NYU Professional Bookstore
- 5 Photo ID Center 1st Floor
- 34f Protection 1st Floor
- 28f Student Activities Center
- 7, 33, 34, 46, 47 Student Computer Terminal Centers:
7 Third Ave. North, Level C
33e Education Bldg., 2nd Floor
34f 14 Washington Pl., Lower Concourse
46 Tisch Hall, Lower Concourse
47 Courant, 2nd Floor Help Center

- 29 Student Events Center
- 34b Student Life Center
- 29f Student Employment and Internship Center

- 34a Student Services Center: Bursar, Financial Aid, and University Registrar

- 28e Ticket Central

- 34a Veterans Information 1st Floor

MISCELLANEOUS

- 34a Alumni Relations 5th Floor
- 34g Institutional Facilities and Administrative Services
- 48 Law Review Offices Subbasement
- 48 Law Journals Offices Subbasement
- 51 NYU Mail Services
- 38d School of Law, Clinical and Advocacy Programs

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