

**Boston University  
College and Graduate School of Arts & Sciences  
2008/2009 Annual Report**

**The Difference a Year Makes**

**From the Dean**

Layoffs. Home foreclosures. Stock market tumbles. There was no escaping the turbulent surf of the global financial crisis during the past year. Universities certainly shared in the woes. We continue to hear about the extreme measures many universities have taken to cope, including deep budget and program cuts, salary and hiring freezes, furloughs, asset sales, and lowered expectations.

I am delighted to introduce this Annual Report of the College of Arts & Sciences with this clear message: Boston University and the College and Graduate School of Arts & Sciences are in good shape. We are healthy and strong and have continued to make steady progress toward the goals laid out in BU's strategic plan, [Choosing to be Great](#), which serves as the blueprint for everything we do.

What did we accomplish during this past year, my second as Dean of Arts & Sciences? Consider some examples:

- We hired 32 impressive new faculty. Of these, 19 replaced professors who retired or left BU, and 13 expanded our numbers to add strength in critical areas of research and teaching as we continued our progress toward adding 100 new faculty to CAS over 10 years.
- We launched important new degree programs. A BA in Comparative Literature, a collaborative major drawing on faculty and coursework in the departments of Classical Studies, English, Romance Studies, and Religion, is distinctive for the enviable breadth of engagement it affords with major works of the Western, Middle Eastern, and East Asian traditions. Its three required foundational courses will also initiate students in the scholarly methods and approaches that make comparative literary studies rigorously and

rewardingly comparative. A BA in Chinese Language and Literature serves a national need for college graduates with linguistic proficiency and deep knowledge of Chinese culture. Closely modeled after our successful degree in Japanese, the program responds to the growing importance of China in the world economy and international affairs—and the centrality of Asia to the university’s strategic planning for globalization of research and teaching.

- A Task Force on the First-Year Experience studied principles and best practices that should guide the curricular and co-curricular experiences and opportunities we give our freshmen from the moment they step foot on campus until the end of their first year to give them the firmest possible foundation for success in and beyond college. Its report advised me on directions for the next few years, and we have begun next steps.
- We have continued transforming our classrooms and laboratories, enabling us to offer CAS students state of the art teaching, and provide our researchers facilities they need to make path-breaking research contributions.
- We attracted more alumni engagement than ever before through their participation in events, learning opportunities and their financial contributions despite the difficult times.

How did we enable this progress and financial health? When the severity of the global economic crisis became clear, President Brown took swift and decisive action to protect the University’s financial integrity. He froze staff hiring and capital projects to make sure there would be funds to continue hiring faculty, reserve sufficient funds to cover increased need for student financial aid, and guard against the need to reduce spending by ordering extensive layoffs.

We in campus and college leadership worked together to identify ways to protect and leverage more power out of our resource bases in the face of critical resource challenges. Faculty, staff, and students pitched in. And context is important: BU is challenged by its relatively modest endowment compared with peer institutions, but because we did not depend on endowment income to support basic day-to-day operations, the financial decline did not pull the floor out from beneath our operations as happened among some of our peers.

So, this year tested the mettle of our college and university and found it strong and flexible. Please explore this annual report to learn more about our many academic and scholarly

achievements of the past year. You will learn more about how vibrant this great learning community is, even in these challenging times.

Virginia Sapiro  
Dean of Arts & Sciences

## **STRENGTHENING THE QUALITY OF THE FACULTY**

Investment in faculty through “smart” hiring and intensive faculty mentoring lies at the heart of Arts & Sciences’ success. Continued excellence in teaching and research begins with the recruitment of new faculty who are working at the frontiers of their disciplines. While many leading universities froze or sharply reduced their recruiting plans this year, Arts & Sciences remained an active player in the academic labor market. We moved forward with plans to strengthen CAS by not just replacing faculty who retire or leave, but by expanding the faculty toward our goal of adding as many as 100 new positions within the decade.

Twenty-three departments submitted 57 search requests, all of which represented important elements in our teaching and research mission. The College carefully reviewed the requests and identified its 34 highest priorities for the coming year. After screening hundreds of applications and inviting more than 100 candidates to Boston for interviews, our ambitious faculty acquisition program has paid off. We are closing the recruiting year with:

- 32 new hires as part of our regular recruitment program, typically our first choice candidates. These include:
  - 13 hires for faculty expansion
  - 1 special hire under the University’s interdisciplinary faculty program
- 7 searches deferred until the next academic year because we held out for higher standards than the pool of applicants supplied

Our impressive new faculty come from top universities, including University of California–Berkeley, Brown, Chicago, Columbia, Cornell, Harvard, Michigan, and Princeton. We invite you to browse [their brief biographies](#).

### **Tenure and Promotion**

Tenure and promotion are the tangible outcomes of an intensive program for the mentoring of our faculty. Peer review by department colleagues is at the heart of this mentoring process and is reinforced by a new College mentoring initiative and creation of a University-level position of Associate Provost for Faculty Development.

All newly hired junior faculty members now have their own designated senior faculty mentor to help them navigate the first year of what we hope will be a long and productive career at Boston

University. This mentoring program includes an annual review of teaching, research, and service of all faculty members and, for junior faculty, a thorough “mid-tenure” review designed to ensure that professional development is on track.

This fall we are celebrating the 12 assistant professors who were awarded tenure and promoted to associate professor during the past year, and 6 associate professors who were promoted from associate to full professor. Together, these newly promoted faculty refresh our senior ranks and academic leadership.

### **Retentions and Resignations**

While smart hiring, effective mentoring, and career recognition enhance our teaching and research programs, they also showcase our talented faculty and invite job offers from other top-notch schools. Even in the current weak academic marketplace, 21 faculty members received offers from schools such as Brown, the University of Southern California, the University of British Columbia, and Notre Dame. We successfully retained 13 of these faculty members, but at a great price: the attractive offers these excellent professors received from other universities meant that we raised their salaries by an average of more than 24 percent to meet the competition.

### **Retirements**

Every year we have the opportunity to salute colleagues who have given long years of service to Boston University, and have now decided to move on to the next stage of their lives. This year, seven faculty members stepped down from their full-time academic responsibilities. In recognition of their distinguished careers at the University and in expectation of a continued scholarly affiliation with their departments, each of these faculty members has been elected to emeritus status.

### **Awards and Achievements**

We are never surprised to learn that so many members of the Arts & Sciences faculty are recognized each year by highly competitive fellowships and grants, prizes, and membership-distinguished academic societies. Here are some examples of the achievements of the past year.

#### **Warren Professorships**

Last year, an ad hoc committee of the Faculty Council recommended the establishment of the William Fairfield Warren Distinguished Professorships as a way of recognizing the University’s most distinguished faculty. President Brown accepted this recommendation and declared the awards to be the highest honor bestowed upon senior faculty members who will continue to be involved in research, scholarship, and teaching, as well as the

University's civic life. Of the five Warren Professorships awarded in the first year, three went to CAS faculty members:

- Nancy Kopell, the William Goodwin Aurelio Professor of Mathematics and Statistics
- Larry Kotlikoff, professor of economics
- James Winn, professor of English and director of the BU Humanities Foundation

### **Book Awards from African Studies Association**

Two works shared the 2008 Melville J. Herskovits Award from the African Studies Association for the best book in African Studies for 2007, and all three authors are CAS faculty. **Parker Shipton** (Anthropology, African Studies) won the award for *The Nature of Entrustment: Intimacy, Exchange, and the Sacred in Africa* (Yale University Press). **Linda Heywood** and **John Thornton** (History, African American Studies, African Studies) won the award for *Central Africans, Atlantic Creoles, and the Foundation of the Americas, 1585-1660* (Cambridge University Press).

### **Pardee Center Director Tapped for United Nations Role**

Adil Najam, professor of international relations and geography and environment and director of BU's Frederick S. Pardee Center for the Study of the Longer-Range Future, was appointed a member of the UN Committee for Development Policy (CDP). The 24-member CDP advises the UN Economic and Social Council on issues ranging from the role of technology in development to the effectiveness of aid programs in Africa.

### **Professor Ricks Receives High Honor**

Christopher Ricks, the William M. and Sara B. Warren Professor of the Humanities, was granted a knighthood by Queen Elizabeth. He joins Professor of Biology Hans Kornberg, who was knighted in 1978, as the two Arts & Sciences professors in receiving one of highest honors of a British citizen.

## **Leadership**

Running the College effectively requires that a remarkable number of our faculty step forward each year to accept leadership positions of many sorts. They devote considerable time and effort to these tasks, and take the opportunity to develop and apply important leadership and managerial skills.

## **STRENGTHENING THE QUALITY OF UNDERGRADUATE AND GRADUATE EDUCATION**

The College's fundamental mission is to provide the highest quality education to students at both the undergraduate and graduate levels. Achieving that goal requires that faculty strive for excellence in the quality of their own teaching and mentoring. We encourage this in many ways. Each year we recognize some of our great teachers and advisors with awards. [Can we say to see this year's, go here? Yes. We can link to the Accolades section. I'll make sure it's updated by the time the annual report is live on the website.

But providing a high quality education also requires constantly assessing and refreshing our curriculum and the academic experience of our students.

## **Academic Planning Self-Study**

CAS piloted an Academic Planning Self-Study in fall 2007. This self-study, completed by every department and program, was aimed at making sure we offer the courses necessary to fulfill our curricular promises with efficiency and in a way that distributes the work load fairly among faculty. During 2008–09, we institutionalized this process as an annual exercise that guides many aspects of CAS academic planning, including designing class schedules and faculty assignments, developing and responding to budget requests, planning for faculty leaves and sabbaticals, and assessing priorities in faculty recruitment.

## **New Degree Programs and Majors**

The College's proud tradition of excellence in the teaching of literature was renewed in 2008/2009 by the addition of two exciting and challenging undergraduate majors.

The new **BA in Comparative Literature** is anchored as a signature program in the Department of Modern Languages and Comparative Literature. This collaborative major draws on faculty and coursework in the departments of Classical Studies, English, Romance Studies, and

Religion. Our degree is distinctive for the enviable breadth of engagement it affords with major works of the Western, Middle Eastern, and East Asian traditions. Its three required foundational courses will also initiate students in the scholarly methods and approaches that make comparative literary studies rigorously and rewardingly comparative.

Students will pursue at least one ancient or modern language and two literatures of their choice to the advanced level, along with upper-level electives such as “The Faust Tradition” and “1001 Nights in the World Literary Imagination” that highlight far-reaching influences among national literatures.

All students with majors or minors in comparative literature will come together for a capstone senior seminar. In addition to providing a vibrant new context for the University’s highly regarded Translation Seminar, the BA in Comparative Literature will hold special appeal as an upper-division course of study for undergraduates who have flourished in the interdisciplinary humanities sequence of the freshman-sophomore Core Curriculum.

A new **BA in Chinese Language & Literature** builds on strong and increasing enrollments in Chinese language through the fourth-year level, as well as new opportunities for beginning and advanced study abroad. Responding to the growing importance of China in the world economy and international affairs--and the centrality of Asia to the university’s strategic planning for globalization of research and teaching—the new major complements our interdisciplinary degree in East Asian Studies. Moreover, it serves a national need for college graduates with linguistic proficiency and deep knowledge of Chinese culture.

All students in the major will fulfill core requirements in language (including the option of Classical Chinese), literature (with readings to the extent possible in the original) and culture (from food to film). In addition, students will be able to match the degree to their particular interests through their choice of contextual coursework in comparative literature and linguistics, as well as optional electives from a rich menu of related offerings in the departments of Anthropology, Art History, Geography and Environment, International Relations, Philosophy, Religion, and Sociology.

**Degree Collaborations across Boston University**

In the spirit of “One BU,” collaborations extending to the Medical Campus produced new degree programs in public health and global development studies, with strong potential for attracting highly motivated undergraduates and master’s students.

Beginning in fall 2009, qualified second-semester sophomores and first-semester juniors were able to apply for admission to a **new dual BA/MPH program** leading to a Bachelor of Arts degree from CAS and a Master’s in Public Health at BU’s School of Public Health (SPH).

Public health is an area of rapidly growing interest among current and prospective undergraduates seeking effective multi-disciplinary approaches to preventive medicine and healthcare delivery; it is second in enrollment only to Business Administration and Management among the non-CAS minors elected by our students. Along with the benefits of early admission to the School of Public Health and dual academic citizenship and mentoring on the Charles River and Medical campuses, the BA/MPH program carries the advantageous possibility of reducing the post-baccalaureate MPH component by a whole semester of time and tuition through double-counting of SPH foundational coursework in epidemiology, biostatistics, and health law as electives toward the BA.

Timely new interconnected master’s programs will lead respectively to the **MA in Global Development Policy (GDP)** and the **MA in Global Development Economics (GDE)**. These degrees are designed to prepare students for a variety of careers in the planning, implementation, and evaluation of initiatives aimed at improving living standards, health, and quality of life throughout the developing world. Each degree features a comprehensive introduction to four key disciplines (international relations, development economics, third-world geography, and public health), as well as an interdisciplinary capstone course that integrates knowledge and skills acquired over the whole course of study.

### **New Courses**

In 2008/2009, 88 new undergraduate courses and 12 new graduate courses were approved—44 in the humanities, 21 in the natural and quantitative sciences, and 35 in the social sciences.

Each of the 100 newly approved courses has been designed to meet a particular need for foundational study or lead students’ intellectual development in some exciting and important

new direction. From “Greek Tragedy and Film” to “Early Cognition” and “Quantum Computing,” the courses aim to impart a range of knowledge, skills, and perspectives and a variety of pedagogical approaches.

EC 171: “Personal Lifestyle Economics,” is a good example of the unique opportunities that leading scholars on our faculty make available to all BU undergraduates without prerequisite. Students in this course with Warren Professor of Economics Laurence Kotlikoff will learn the principles and basic math of economic decision-making by focusing on choices about education, careers, family, and investment that will centrally affect their lives.

The new options left graduating seniors on our College curriculum review committees wishing they could extend their undergraduate years.

Several themes run through the additions to our course inventory, transcending disciplinary differences and aptly reinforcing the characteristic strengths and overarching strategic aspirations of arts and sciences education at Boston University:

- **Global reach**, rooted in linguistic competence and cross-cultural knowledge. More than 40 of the new courses approved in 2008/2009 engage centrally with international or comparative content. Our commitment to global competence is further reflected not only in the cluster of courses added in the 22 ancient and modern languages we currently offer, but also in the diversity of backgrounds and goals—from heritage learners of Arabic to healthcare professionals working with Hispanic populations—these courses were designed to serve. Innovative pedagogies address language-specific challenges such as the Japanese writing system and develop advanced proficiency through the creative practices of translation and French poetry writing.

In testimony to the priority we place on foreign language learning linked to on-campus area studies and study abroad, the National Security Education Program in June 2009 awarded \$500,000 to a BU team led by Modern Languages and Comparative Literature Chair William Waters. The award aims to strengthen our programs in Arabic, Chinese, Hausa, Turkish, and Wolof, while also increasing the number of ROTC students who enroll in these Asian and West African languages, all taught in CAS and classified as critical to U.S. security and diplomatic interests.

Instrumental in the success of that initiative, enhanced collaboration with the home office and resident directors of BU International Programs also yielded new curricula that advanced the goal of integrating meaningful study abroad opportunities with all of our academic majors. For example, students of art history are now able to spend a semester at the world-renowned Courtauld Institute of the University of London, and a new course in scientific research, including laboratory rotations, will prepare students in our Grenoble and Dresden life sciences programs for the seamless re-entry of joining a CAS faculty member's lab group.

- **Location, Location, Location.** Closer to home, new courses took advantage of partnerships and resources for learning throughout the university, city, and region:
  - The Psychology Department hosted the pilot offering of PS 200, a multidisciplinary seminar on “Autism and Society,” with lead faculty from the Schools of Law and Medicine, and students from five different Charles River colleges.
  - HI 560, a new history course on “The American Transcendentalists,” featured walks in the transcendentalists’ footsteps and work in local archives.
  - Students in ES 543, a new addition to the Marine Semester’s roster of hands-on block courses, learned about estuaries and near-shore systems by conducting intensive fieldwork at the Parker River-Plum Island Sound estuary, an hour north of Boston.
  - Our Sociology Department partnered with colleagues in the School of Education to design a two-semester sequence of courses combining sociological analysis of urban classrooms and the achievement gap, with field placement at the Trotter Elementary School in Dorchester.

**Community-Building within the Disciplines.** Continuing a College-wide trend of the last several years, Classical Studies, Astronomy, and Earth Sciences established seminars to bring their incoming graduate students as a cohort into the intellectual life of the departments and introduce them to the scholarly methods and ethical standards of the profession. New sophomore-level seminars in quantitative and behavioral biology, where the substantive focus is

on discussion of leading-edge scientific papers, will serve a similar cohort-building function for undergraduates who have declared, or are considering, an upper-division specialization in one of those areas.

### **Other Curricular Changes**

- The Division of Religious and Theological Studies substantially revised requirements for the MA and PhD degrees, resulting in a streamlined, intellectually rigorous, and contemporary curriculum, as well as a renewed sense of community and common purpose among participating faculty from the Graduate School and School of Theology.
- We revised the requirements of the following degree programs: BA, MA, and PhD in English; MA in International Relations and Religion; and PhD in Political Science.
- We discontinued the five existing BA programs and minor in “continental European Literatures,” replacing them with the new undergraduate major and minor in Comparative Literature.
- We discontinued the joint BA in Philosophy and Anthropology.
- Cooperation with the School of Law resulted in the cross-listing of courses with CAS Philosophy and Political Science, and the exchange of information about courses likely to appeal to each unit’s students.

### **National Recognition for International Relations Professional Education**

The growing reputation of our International Relations Department was reaffirmed when it won acceptance as an affiliate member of the Association of Professional Schools of International Affairs (APSIA) early in 2009. APSIA, an international organization whose mission is to promote excellence in professional, international affairs education, chooses programs and schools that offer graduate programs and maintain a high standard of excellence. The membership is a milestone for a department that has grown by leaps and bounds over the past two decades.

## **STRENGTHENING THE STUDENT EXPERIENCE: FOCUSING ON STUDENT SUCCESS**

### **Undergraduate Retention and Success**

CAS is dedicated to ensuring that our students are as successful as possible. Our most recent retention rate for freshman to sophomore year was 90.9%, and increase of .7%.

### **Retention Rates**

<b>Class entering</b>	<b>All BU</b>	<b>CAS</b>
Fall 2006	90.8%	90.2%
Fall 2007	91.2%	90.9%

### **Exceptional Students Taking Innovative Steps**

A wonderfully diverse student body continues to drive our level of excellence, bringing a wealth of experiences and interests to our rich learning community. Many are taking bold and innovative steps in their scholarship and research, with impressive results.

For example, meet Joseph Clark (CAS'10). The senior from Memphis, Tenn., spent his summer researching the American Civil Rights Movement, in part because his grandfather was one of the Sons of the Confederacy. Clark has a complicated relationship with history: he understands why some people would rather not explore the past, yet he considers it an integral part of who we are.

“To become your own person, it’s necessary to know where you came from,” says Clark, who received a Greig Scholarship from the CAS Office of the Associate Dean for Undergraduate Programs. “You build on what other people have left. You can’t really start from zero.”

With the help of a grant from BU’s Undergraduate Research Opportunities Program, Clark used the personal archive of Conrad Lynn, a civil rights lawyer known both for his controversial cases — he defended freedom riders and draft resisters—and as the first black graduate of Syracuse University Law School. [\[Read the full BU Today article.\]](#)

### **Task Force on the First-Year Experience**

The first-year experience of entering students has long been recognized as a critical phase in a successful academic journey. In 2008–09, Dean Sapiro charged a task force consisting of students, faculty, and staff with studying current research, best practices, current programs at BU, and our potential to recommend a set of principles and goals that should frame a comprehensive CAS First Year Experience (FYE). The task force focused on four major themes:

the academic experience, student academic support, student development, and co-curricular programs and student life.

After six months of study and deliberation, the Task Force produced a report ([www.cs.bu.edu/fac/snyder/FYE/](http://www.cs.bu.edu/fac/snyder/FYE/)) that has been shared and discussed widely around the College.

- \* The FYE should provide integration and coherence across the various aspects of students' lives during their first year at BU to promote their successful transition from high school and home life to full, engaged membership in the university community.

- \* The FYE should engage and support first-year students as they develop individually to gain the skills and character they need to be successful as Boston University students and beyond.

- \* The FYE should foster strong connections among students and between students and faculty as a basis providing students with a strong foundation in the BU community.

- \* The FYE should offer a carefully constructed assortment of academic programs and co-curricular programs that will alert students to the expectations of college-level work, teach them to make use of the resources of the college for their own intellectual growth, and develop ways to integrate the variety of their intellectual experiences while building personal and scholarly character.

- \* The FYE should help students to cultivate healthy ways of living, responsible involvement in social and community groups, an appreciation of diversity, and, above all, a value for the intrinsic worth of the intellectual life.

- \* Academic support for first-year students should focus on reinventing and expanding our advising systems. Advisors will be specially trained in first-year issues; partnerships will be developed among student services across the university so that students can easily learn about and make use of these services.

It will take some time to assemble the final plan and the resources necessary to implement it, but we have taken strong first steps to implement these recommendations. The CAS Class of 2013 will be treated to a first set of programs designed to provide fun, interesting, and provocative programs in which they will get to know faculty on an informal and constructive basis early in

their days at BU. A University-wide working group will meet regularly to coordinate first-year events and programs throughout the University.

### **Student Programs & Leadership**

Undergraduates in the College of Arts & Sciences receive countless opportunities to enrich their academic life through the Student Programs & Leadership Office. This year, new or transformed initiatives joined longstanding annual programs such as Major Choices and Spring Open Houses.

October 2008 saw the launch of the first annual College Scholars Reception, an event that celebrates the outstanding academic achievements of this select group of CAS students. Also during the fall, Dean Sapiro hosted the families of current CAS students at the annual Parents Weekend Reception, which was preceded by an illuminating faculty and student panel on the future of energy.

Dean Sapiro and Student Programs continued to foster the development of the Council of Student Leaders, soliciting the student perspective on campus matters at monthly meetings throughout the academic year. A popular “Sundaes with the Dean” event, open to all CAS students, was also instrumental in the continuing effort to build dialogue between the student body and the administration.

Under the tutelage of the Director of Programs, the CAS Dean’s Hosts and Student Government (formerly known as CAS Forum) launched an immensely successful spring social event, “A View from the Top,” held at Boston’s Top of the Hub. Tickets sold out within one hour on the first day of sales, an indication that CAS student leadership had hit upon a winner: a chic social occasion taking advantage of a great view of Boston that they will remember long after they graduate. Plans are under way to replicate the event on a larger scale in the current academic year.

A redesigned CAS student e-newsletter resulted in greater distribution among students, faculty, and staff, further solidifying it as an important means of communicating with the student body. Student Programs & Leadership continues to improve the usability and appeal of the newsletter.

Building strong community is a top priority of the work the Dean’s Office and student leadership are doing together. Our partnership is showing great success.

## **STRENGTHENING OUR RESEARCH AND SCHOLARSHIP**

During the 2008/09 academic year, the nearly 600 Arts & Sciences faculty were highly productive in their research and scholarly accomplishments, as indicated by the record levels of grant funding and the numerous papers published, talks presented, and awards received. The total dollar amount of new grants and contracts generated in FY 2009 was \$85,677,728, an increase of \$8,147,497 (10.5%) over the previous year. Most notable was the Chemistry Department, which increased the total number of awards from 29 to 65 and total dollars from \$6.5 million to \$11.1 million.

The following illustrate the abundance of scholarly activity in the College and Graduate School:

**Archaeology:** The Archaeology Department completed the first year of a four-year, \$450,000 grant from the Henry Luce Foundation's Initiative on East Asian Archaeology and Early History to support the development of an East Asian archaeology curriculum. In addition, the trustees of the Andrew W. Mellon Foundation awarded \$600,000 to the International Center for East Asian Archeology to support further development of ARC/Base, a multilingual, web-based bibliography of resources for the scholarly field of East Asian archaeology. The grant will fund expansion of the international network of scholarly institutions contributing to the database, while the Center works toward a formal launch of this online resource.

**Astronomy:** The Cosmic Ray Telescope for the Effects of Radiation (CRaTER), an instrument built by Principal Investigator Harlan Spence and his group to examine the radiation environment near the Moon, was successfully launched and is now collecting data from the lunar orbit on the fluxes of energetic particles and radiation. The Interstellar Boundary Explorer (IBEX) satellite, a project led by Professor Nathan Schwadron and his group, was also successfully launched and is now measuring the properties of high-energy neutral atoms entering local space from beyond the heliopause. BU is hosting the Science Operations Centers for both these projects, providing front-row opportunities for our students to engage in this research.

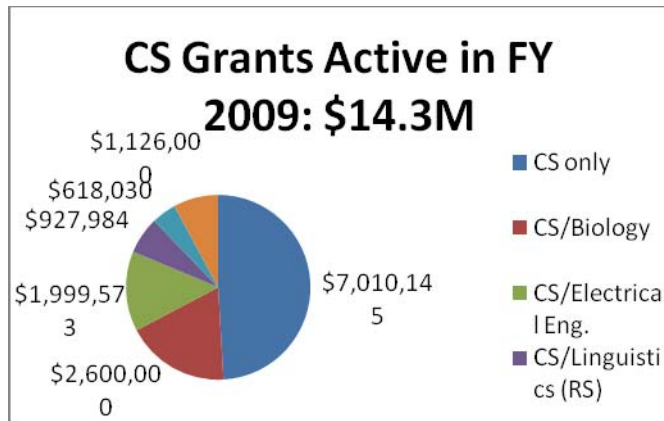
**Biology:** One particularly newsworthy publication was a *Proceedings of the National Academy of Sciences* paper by Professor Richard Primack and collaborators. "Phylogenetic Patterns of Species Loss in Thoreau's Woods Are Driven by Climate Change" demonstrated that climate change is already causing the plants in Concord, Massachusetts, to change their flowering dates

and their abundance. Climate change is not just something for the future; it is already affecting natural systems today and causing certain vulnerable species to go locally extinct. Because Primack and his colleagues used the observations of Henry David Thoreau from the 1850s as a starting point, the paper received widespread media attention, including National Public Radio, Associated Press, *New York Times*, and *Wall Street Journal*.

**Chemistry:** Department faculty are active in many areas of research. The Center for Chemical Methodology and Library Development continued to be highly successful, engaging faculty from Chemistry, Biology, and the Medical School in its program. Its National Institutes of Health P50 Center Grant was renewed for a second five years (September 30, 2008–August 3, 2013) with funding from the National Institute of General Medical Science. Among other important accomplishments:

- Professor Karen Allen and collaborators published a paper in *Nature* describing the X-ray crystal structure of the enzyme acetoacetate decarboxylase. The research fills an important gap in the understanding of how certain enzymes work.
- Professor Tom Tullius and colleagues at the NIH published a paper in *Science* describing their development of a new algorithm that provides a clearer picture of the structure of human DNA. The algorithm led to significant discoveries about important structural features that, in turn, help expand the understanding of the biology of the human genome.

**Computer Science:** Computer Science faculty have established active research programs reaching from formal language theory to network security to linguistics. The department is exceptional in its interdisciplinarity, as demonstrated by the following figure showing that half of the department's funded research involves collaborative projects with other BU units.



**Economics:** Economics faculty have been highly visible in this period of economic uncertainty. Among other activities, Simon Gilchrist has been advising the Board of Governors of the Federal Reserve System on policies to address the economic crisis. Other recognitions include Pierre Perron winning the Econometric Theory Plura Scripsit Award and Randy Ellis and his co-author winning the National Institute for Health Care Management award for the best paper on health care management.

**Geography and Environment and the Pardee Center:** The Andrew W. Mellon Foundation awarded a \$150,000, one-year grant to professors Cutler J. Cleveland and Adil Najam of the Department of Geography and Environment to lead an interdisciplinary seminar on energy transitions—shifts in the types of energy (e.g., coal, nuclear, wind) used by societies. The research will be part of the Mellon Foundation’s John E. Sawyer Seminars on the Comparative Study of Cultures, established in 1994 to provide support for comparative research on the historical and cultural sources of contemporary developments.

**Physics:** The Stephen Bechtel Fund awarded Physics Professor Gene Stanley \$450,000 over three years to support his research on the molecular mechanisms that may underlie Alzheimer’s disease. Stanley uses computer models derived from statistical physics to understand the toxic aggregation of peptides in the brain, and this represents his largest grant to date from the Bechtel Fund.

**Psychology:** The Psychology Department continues to deliver exceptional performance in all areas of research and education, as indicated by their grant funding—more than \$450,000 per faculty member—and enrollment of more than 900 undergraduate majors. Highlights include

National Institute of Mental Health (NIMH) designation of the Center for Anxiety and Related Disorders a Program of Excellence in Scientifically Validated Behavioral Treatment, and the highly productive operation of the Center for Memory and Brain under an award from the NIMH Silvio O. Conte Center for Neuroscience.

**Religion:** The Religion Department successfully pursued a four-year Posen Foundation for Cultural Judaism grant to develop curriculum and programming in cultural/secular Judaism. Obtaining the grant was a major accomplishment and promises to bring a fresh energy to Judaic Studies. Particularly exciting is the extensive team teaching that was written into the grant, including a cycle of collaborative endeavors of Michael Zank and Adam Seligman of Religion and Abigail Gillman of Modern Languages and Comparative Literature.

### **Creating New Scholarly Infrastructure and Connections**

**Establishment of the Center for the Study of Asia (BUCSA).** We established BUCSA in fall 2008 to serve as the focal point of Asian Studies at the University. The center is the home of a large and vibrant community of scholars of Asia, spanning nearly every school and college and comprising more than 80 full-time and part-time instructors and researchers. It sponsors lectures and conferences, film series and musical performances, and cultural events. BUCSA also contributes to curriculum development, faculty recruitment, and acquisition of library and audiovisual resources, and helps to manage community outreach programs. In its first year, the center sponsored or co-sponsored more than 40 events. In addition, it was active in curricular affairs, helping to establish a new graduate exchange program with China's Renmin University and drafting a proposal for a graduate certificate in Asian Studies. It worked with a variety of organizations, including the Consulate General of Japan, the Taiwan Economic and Cultural Organization, and the Japan Society of Boston, to extend BU's impact into the community. BUCSA also is working on several grants and fundraising opportunities to enhance the study of Asia at the University. In fall 2008, it received its first major gift, a historically important full run of Japanese art history journal *Kokka* that was conservatively valued at nearly \$90,000.

**New Era for BU Humanities Foundation.** In September 2008, Boston University Humanities Foundation (BUHF) Director Katherine O'Connor, professor of Russian Studies, passed the torch to James Winn, professor of English and former chair of the English Department.

O'Connor continues as foundation co-director. Winn's wealth of knowledge of the arts and humanities, along with his leadership experience, will continue to strengthen the influence of the humanities at the University and lead the BUHF through its next era. The BUHF has made a multitude of new programs possible in Arts & Sciences, including new courses, library acquisitions, visiting professorships, and scholarships for students in the humanities. In addition, the BUHF annually funds more than \$100,000 in special programs such as conferences, lecture series, faculty workshops, senior research fellowships, graduate research abroad fellowships, and support for undergraduate organizations and journals. Our goal is for the BUHF to play an even greater role in stimulating scholarly creativity through individual work and collaboration across the arts and humanities, while playing even more of a leadership role outside of BU.

## **STRENGTHENING OUR COMMUNITY OUTREACH**

### **Connections with the Boston Community**

A central aspect of the Arts & Sciences mission is community outreach. A diverse curriculum and the largest student population of BU's 17 schools and colleges provide rich opportunities for the College to share its educational, technological, and human resources with local public school students, teachers, and citizens. Here is a sampling of this year's outreach efforts:

#### **Learning a New Language at Any Age**

An unlikely group of language learners congregates each Wednesday in the common room of the Camfield Garden Estates housing development in Boston's Roxbury neighborhood. Taught by Graduate School of Arts & Sciences student volunteers, many of the class participants are senior citizens, though there are teenagers and working professionals, too. They come from a range of backgrounds, mostly African American, but also Hispanic, Irish, and Lithuanian. All come to class not because they have to, but because they want to be able to communicate with Spanish speakers in their lives or they are intellectually curious about learning a new language. The course is the brainchild of BU alumna Jewelle Anderson (CFA'84), who approached Romance Studies Chair James Iffland, then head of the Spanish section, and asked for graduate students to teach the class on a volunteer basis. Iffland promised to send along some of his best. The class, a

partnership between BU and the Women's Service Club of Boston, took off on a tiny budget in March.

### **Expanding the STEM Disciplines**

CAS offers the Summer Pathways program to girls from inner-city Boston public schools who are interested in the sciences. For a week, students they live in student housing, eat in the dining hall, and participate in a range of activities that can include building circuits in a BU engineering lab, taking trips to Merck & Co.'s pharmaceutical research labs and the Museum of Science, and visiting various University labs and other facilities for introductions to neuroscience, computer science, photonics, and related disciplines. Summer Pathways operates as part of Arts & Sciences' LERNet center, which serves as a headquarters for education outreach in the STEM (science, technology, engineering, and mathematics) disciplines.

### **Building a Community of History Educators**

History Professor Bruce Schulman has seen firsthand the ways in which working with teachers contributes to building a citywide community of educators. Through a grant from the U.S. Department of Education (the University offers scholarships to the teachers who participate), the Department of History offers a series of graduate-level courses specifically designed for middle and high school teachers of American history in the Boston public schools. "We talk about historical content, but we also—since we're all teachers—think about how you might present these materials to students, as well as how to come to grips with it yourself," Schulman explains. "We are Boston University. Our identity and our destiny are intimately interwoven into the fabric of the city, and our continued success as an institution depends on large part on the flourishing of the larger community."

### **Bolstering Physics Education in Local Classrooms**

Our Physics Department has been very active with outreach and educational activities in the Boston community. Several graduate students helped to develop new curricula for local high school physics programs. Physics Day attracted 250 urban high school students

for a morning of demonstrations and lectures by faculty and graduate students. For a second year, Photon, an undergraduate physics club, taught local middle-school students about sun spots. The Improving the Teaching of Physics Program entered its sixth year, and the department expanded on the Teacher Immersion in Science Program with a two-week workshop on global energy distribution.

## **PROTECTING OUR FINANCIAL STRENGTH**

The global economic downturn that began in earnest in September 2008 had a real impact upon resource development initiatives at institutions of higher education nationwide. While many institutions, both private and public, are struggling to absorb deep operational budget cuts in the context of decreased gift revenues, BU is bucking the trend by proving it enjoys uncommon financial strength. As a result of prudent fiscal management, the University is in a strong financial position.

### **Budget and Operations**

The College and Graduate School of Arts & Sciences achieved a balanced unrestricted expense budget of \$88,604,641 at the close of the 2009 fiscal year. The College provided almost \$750,000 in one-time restricted funds to its departments and centers to support needs identified as priorities during the FY 2009 budget planning exercise. Roughly \$382,000 of annual giving funds were used to support laboratory equipment and supplies, more than \$202,000 in unrestricted endowment income was used to support computing needs and faculty travel, and approximately \$163,000 of indirect cost recovery funds were provided to support research needs and miscellaneous operating needs.

The College and Graduate School generated \$269,858,385 in tuition revenue, which represents a 3.82% increase over the previous academic year. Revenues from graduate school application fees decreased by 1.36%, with total income of \$460,145.

### **FY09 Hiring Freeze**

The staff hiring freeze implemented on October 1, 2008, had a significant impact on several departments within CAS. Eleven positions were instantly pulled from the job postings, with several additional positions frozen as they came open. To maintain operations, most departments

hired additional student employees, temps, or casual employees. The College returned to the University 25% of the salary savings realized for the October 1 through December 31, a total of \$22,584.

CAS focused its attention on defining critical priorities in staffing including making sure that we protected critical operations, positions that assure the safety of our personnel and facilities, and those that assured the quality of our students' education. A few critical positions were approved to be filled during the freeze, with the remaining positions and any new positions that came open on hold until the end of the 2009 fiscal year. As part of the College's FY10 budget, we eliminated 2.5 FTE, reduced the weekly hours for several open clerical positions, and reduced the assignment duration for a few other positions from 12 months to 10 months.

CAS remains attentive in managing staffing resources. We continue to assess our administrative staffing, analyze each position that comes open, and fill only those that are critical, with the goal to reduce headcount through thoughtful reorganization.

### **Gifts and the Annual Fund**

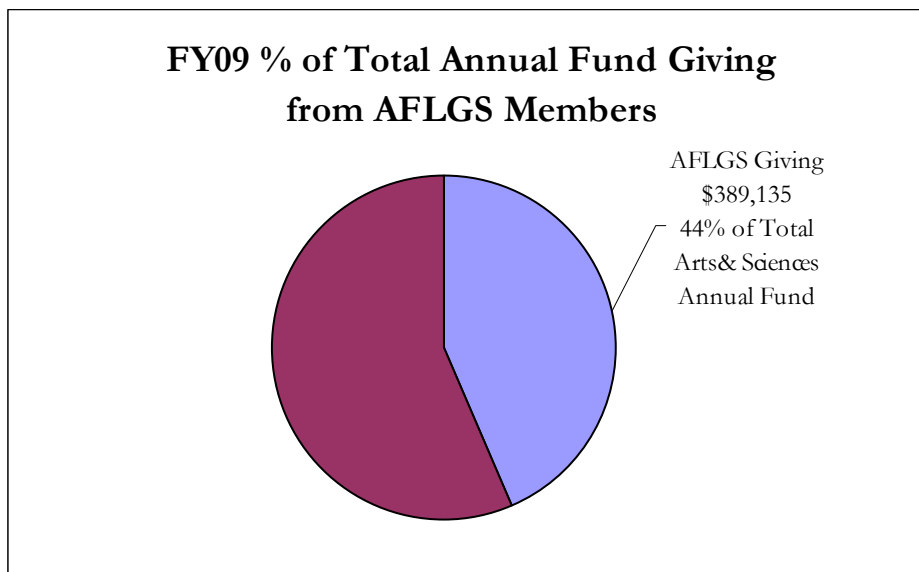
The international economic crisis creates special challenges for efforts to seek financial support for the university from alumni and other friends. Gift revenues to Boston University were down 5%, considered a relatively slight decline in FY09. Specifically, gift revenues to the College and Graduate School of Arts & Sciences were down 16.5%. But due to the growing connections between Boston University and its alumni, and the skill and good work of the university development staff, the past year ended up being more successful in fundraising than anyone might have expected under the circumstances. For example, pledges (future gifts) to be paid in one to five years, were up 12%, which gives us good confidence in our future over the next few fiscal years. A most gratifying sign of financial health is that gifts to the CAS/GRS Annual Funds (unrestricted gifts to the College) increased 9%, reflecting renewed, successful outreach to alumni, parents, and friends of the College. Let us look at this more closely.

The Arts & Sciences Annual Funds provide critical operational support to virtually every area of the College. Gifts to the Arts & Sciences Funds flow to our core mission and priorities at the College and departmental levels: improving our academic programs; supporting excellence in teaching and research; ensuring that we attract, retain, and nurture the work of our faculty;

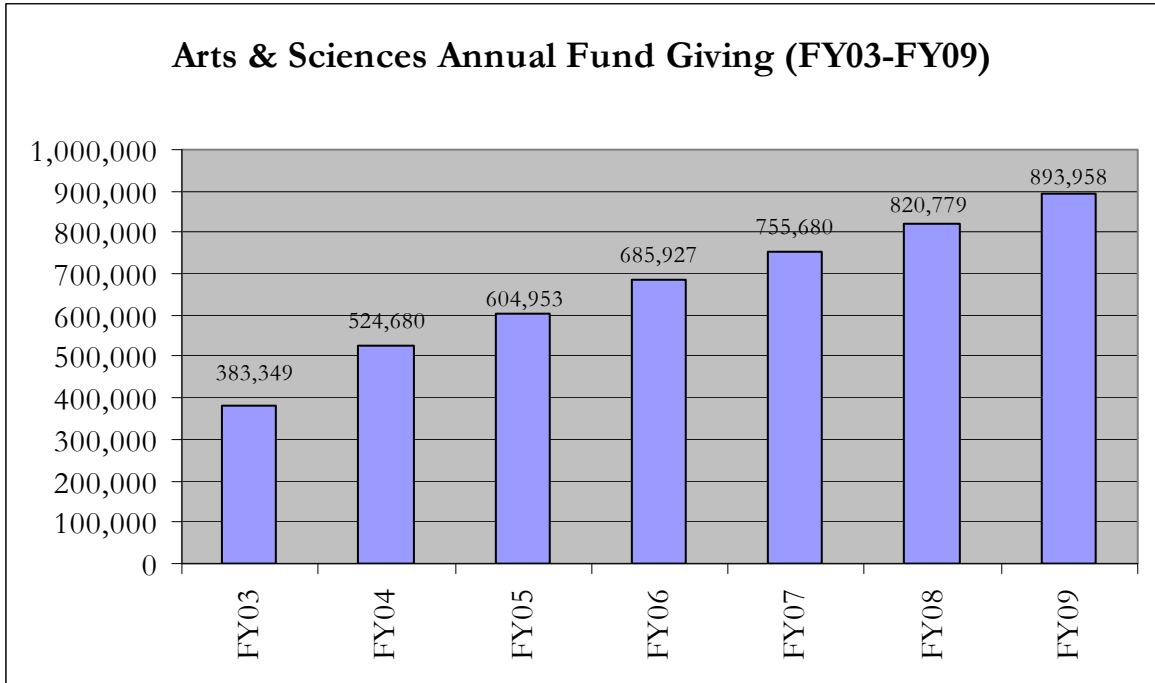
improving our facilities; and enriching the student experience. In FY09, gifts to the Arts & Sciences Annual Funds totaled \$893,958. This figure represents an increase of 9% over FY 2008 giving.

Donors to the Arts & Sciences Annual Fund join the Arts & Sciences Leadership Giving Society when they make unrestricted gifts of \$1,000 or more within a single fiscal year. Alumni within 10 years of their graduation date may join by giving \$500 in one fiscal year.

<http://www.bu.edu/cas/alumni/giving/>. There were 170 individual members in FY 2009, accounting for 44% of the total dollars.



The Arts & Sciences Annual Funds have grown steadily over the past 7 years. In FY09, gifts to the Arts & Sciences Annual Funds totaled \$893,958, an increase of 9% over FY08 giving.



**Feltenstein Annual Fund Challenge**

A challenge from University trustee and entrepreneur Sidney J. Feltenstein (COM'62) and his wife, Lisa—matching, dollar for dollar, all new and increased annual fund donations up to \$1 million between April 1 and June 30—resulted in 13 donors who gave \$50,000 or more. Two of those gifts were made to the CAS Annual Fund. This leadership level contribution sets an outstanding example for the College’s more than 65,000 alumni.

**Leadership Gifts**

Arts & Sciences received significant leadership gifts from alumni and friends of the College in FY09. One of the most exciting examples was given by Robert Hildreth, vice-chair of Boston University’s Board of Overseers and a member of the CAS Leadership Advisory Board. Mr. Hildreth donated \$2 million to the Creative Writing Program. One-half of the \$2 million will create an endowed professorship in honor of Professor Leslie Epstein— the “Leslie Epstein International Visiting Professorship”—which will host eminent international writers to mentor students in the Creative Writing Program and other literature programs. The other half will benefit the Robert Pinsky Global Fellowship Fund in Creative Writing, which will send students

in the Creative Writing Program to international destinations as a capstone experience for their graduate work. Gifts like this make a critical difference to the quality of CAS programs.

## **NURTURING OUR CONNECTIONS**

This past year was marked by major efforts aimed at improving the connections between CAS and our members, friends, and stakeholders. In a college as large as this one, with such a large alumni base, creating good connections requires careful planning and execution.

### **College Communications**

The greatest accomplishment of the year was the redesign of the CAS website and the launch of a program to improve the websites of the various CAS departments and programs. These projects were the result of a creative and productive collaboration between the CAS Office of Communications and BU's central Office of Marketing and Communications. Check out the new CAS at [www.bu.edu/cas](http://www.bu.edu/cas).

We also ramped up efforts to foster a greater sense of community within the College by revamping the former chairs and directors newsletter to create an internal e-newsletter for all faculty and staff and by improving the weekly e-newsletter distributed to all CAS students.

### **Strengthening Alumni Connections**

One of the major efforts of recent years is the effort to strengthen the connections between CAS alumni and their alma mater. We have increased the number of opportunities for this to happen by holding events for alumni around the world, the country, in the Boston area, and on the web.

Among the events aimed at ensuring that CAS continues to play a role in the life-long learning of our alumni are two series based at BU:

- **The *Discoveries* lectures, featuring leading faculty from Arts & Sciences.** The third year of series drew large crowds for topics such as the financial crisis bailout, the 50<sup>th</sup> anniversary of the Cuban Revolution, and the problem of forgiveness. More than 400 alumni and guests attended this year's three programs.
- **"Arts, Culture, and Ideas," a lunchtime discussion series launched this year in partnership with the BU Humanities Foundation.** Jodi Cranston, associate professor of

art history, inaugurated the series with a talk titled “The Loaded Brush: Interpreting Texture in Venetian Renaissance Painting.” The event attracted a sold-out crowd

We also launched a **Webinar series** with a discussion of climate change and global development, led by Pardee Center Director Adil Najam. Alumni from 17 states and 5 foreign countries registered for the program.

Increasing numbers of departments and programs are establishing alumni organizations or hosting events for their alumni. For example, the Core Curriculum formed an alumni association, “EnCore,” which hosted a number of successful events, including well-attended receptions at Reunion and Alumni Weekend in October and the Winterfest alumni weekend in February 2009.

CAS is also proud to honor and celebrate the achievements of our alumni. During the 2008 Reunion and Alumni Weekend, four Arts & Sciences alumni were honored at a Distinguished Alumni Awards Dinner: Laura Deaton (CAS’86), Alicia Cannon Mullen (CAS’83), Margarita M. Muñiz (CAS’72), and Matthew B. Smith (CAS’70, GMS’72). Subsequently, Alicia Cannon Mullen joined the Dean’s Leadership Advisory Board and Matthew B. Smith joined BU’s Alumni Council.

One of the most moving celebrations of a CAS alumna occurred at the 2009 Senior Breakfast, when Bridget Mooney (CAS ’05) shared her thoughts on the unexpected as she reflected on some of the profound surprises life had in store for her right after she graduated. See her remarks at <http://www.bu.edu/today/node/8835>.

## **AROUND THE COLLEGE**

*A sampling of other noteworthy achievements in Arts & Sciences during the year.*

**The African Studies Center** revitalized the African Language Program, with a new institutional partnership with the Université Gaston Berger de St. Louis in Senegal and the introduction of Ajami Arabic script in Wolof, Pulaar, and Hausa classes.

The **Anthropology Department** continued to build the biological anthropology program into one with nationally important strengths. Toward this goal, it made two important appointments-- Cartmill and Knott—[which gave it senior leadership, excellent teaching, and an inflow of grants]. The department conducted a successful search for another junior biological

anthropologist, Jeremy DeSilva. Cheryl Knott was able to reopen her orangutan research station in Borneo. As worked out with Dean Sapiro and Provost Campbell over the last few years, the department continues to build the program up to five lines from the current three. An early sign of success is that enrollments in biological anthropology were 24% higher than in 2007–08.

The **BU Marine Program** continued to expand academic partnerships with three leading New England marine research institutions: the New England Aquarium, the Stellwagen Bank National Marine Sanctuary (NOAA), and the Sea Education Association. This included the successful development of two new courses in the fall 2008 Marine Semester that were co-taught with the Sea Education Association: ES 545 (Tropical Oceanography of the Caribbean Sea) and ES 546 (Tropical Oceanography of the Caribbean Sea: Applications and Research).

The **BU Mock Mediation Team** had the top overall score out of 32 teams at the American Mock Trial Association's annual National Mediation Tournament in November. Mentored by CAS Assistant Dean for Pre-Law Advising Edward Stern, BU team members also placed second and fourth in Final Round Advocacy and third in Final Round Mediation.

The **Institute for the Study of Muslim Societies and Civilizations** launched an intensive Arabic study abroad program in Morocco for undergraduate students. Launched in the spring 2009 semester, the program was an immediate success. Fifteen students (the target number) were sent to Rabat where students experienced home stays with local Moroccan families and had the opportunity to go on guided cultural excursions while taking courses. Interested students take 8 credits of intensive Arabic study (both Fus'ha and Darija) and two, 4-credit elective courses.

The **Women's Studies Program** created the Boston University Faculty Network for Women's Studies, Gender, and Sexuality by reaching out to all faculty on the Charles River and Medical Campuses who have research and teaching interests in women's studies, including work on gender and/or sexuality. More than 150 BU faculty members joined the network, and more than 50 attended the network's inaugural "meet and greet" in December. With the success of this Faculty Network, a Graduate Student Network on Women's Studies, Gender, and Sexuality was formed. The first gathering was held in April 2009.

**CELEBRATING THE CLASS OF 2009**

Another significant transformation this year was the configuration of Commencement Weekend to respond to the University's goal of moving to a more universal experience across all graduation celebrations. Through collaborations with university offices, Student Programs & Leadership created a new planning model and provided the guidance necessary to make the shift as seamless as possible for academic departments hosting convocations.

Seniors and their families, faculty, trustees, and other members of the BU community celebrated BU's 136<sup>th</sup> Commencement on May 17. Congressman Michael Capuano delivered the Commencement Address, urging graduates to work on behalf of their communities with the same passion that they put into their own careers. The festivities included an array of prizes and honors, including the Metcalf Cup and Prize for Excellence in Teaching, which was presented jointly for only the third time in its 36-year history. The co-recipient was CAS's own Tom Gilmore, professor of biology.

Harvey Sham, who graduated *magna cum laude* in sociology, delivered [an inspirational speech](#) to his fellow graduates, thanking CAS professors for taking the University's motto (Learning, Virtue, Piety) to heart. Arts & Sciences Dean Virginia Sapiro congratulated the graduating seniors and urged them to stay in touch with CAS as they move forward into their individual futures. [[Click here for the full text of her speech.](#)]

### **Degrees Awarded at Commencement 2009 (includes degrees completed in summer and fall 2008)**

BA: 1,892  
MA and MFA: 356  
PhD: 195

### **Moving Forward**

Despite a year of unprecedented financial challenges, Arts & Sciences remains strong. Thanks to the amazing collaboration of university leadership, faculty, staff, and students, as well as alumni and friends around the world, we came out better than ever. As we celebrate our achievements, we are already setting our sights on the future. Through prudent planning, budgetary discipline,

## **Appendices for Annual Report**

[1.]

### **Faculty Recruitment**

New faculty (not including research and clinical faculty) recruited in 2008 and beginning their appointments in 2009/10:

Peter Alrenga (Romance Studies)

Ivan Arreguín-Toft (International Relations)

Jonathan Appavoo (Computer Science)

Margaret Beck (Mathematics and Statistics)

Taylor Boas (Political Science)

Laurent Bouton (Economics)

David Bronstein (Philosophy)

Peter Buston (Biology)

Luis Carvalho (Mathematics & Statistics)

Jeremy DeSilva (Anthropology)

Sharon Goldberg (Computer Science)

Gisela Hoecherl-Alden (Modern Languages and Comparative Literature; Director of Language Instruction)

William Huntting Howell (English)

Emily Hudson (Religion)

Lucy Hutyra (Geography & Environment)

Ramesh Jasti (Chemistry)

Mark Kramer (Mathematics & Statistics)

Sanjay Krishnan (English; tenure review pending)

David Liebesman (Philosophy)

Timothy Longman (Political Science; Director of African Studies Center)

Alisdair McKay (Economics)

Ashley Mears (Sociology)

Magdalena Ostas (English)

Teena Purohit (Religion)

Simon Rabinovitch (History)

Dylon Robbins (Romance Studies)

Sunil Sharma (Modern Languages and Comparative Literature)

Nima Shokri (Earth Sciences)

Helen Tager-Flusberg (Psychology; tenure review pending)

Evimaria Terzi (Computer Science)

Andrew West (Astronomy)

Wesley Yin (Economics)

[2.]

### **Retirements**

James Wiseman (Archaeology)

Angelo Codevilla (International Relations)

Guilford Jones (Chemistry)

T.R. Lakshmanan (Geography and Environment)

Richard Laursen (Chemistry)

Henry Marcucella (Psychology)

Alfred Prock (Chemistry)

[3.]

## **Faculty Awards and Honors**

### ***External Awards and Prizes***

The following is a list of major external academic awards and honors received by CAS/GRS faculty in the 2008/09 academic year:

Mark Grinstaff (Chemistry) – Edward M. Kennedy Award for Health Care Innovation

Husain Haqqani (International Relations) – Appointed as Ambassador of Pakistan to the United States

Alfred Tauber (Philosophy) – Medal for Science, Institute of Advanced Studies, University of Bologna

Robert Pinsky (Creative Writing) – 11<sup>th</sup> Triennial Theodore Roethke Memorial Poetry Prize

Xuefei Jin (Creative Writing) – The O’Henry Prize

Julian Go (Sociology) – Mary Douglas Prize for Best Book from the Culture Section of the American Sociological Association for *American Empire and the Politics of Meaning: Elite Political Cultures in the Philippines and Puerto Rico during U.S. Colonialism*

Nancy Smith-Hefner, Anthropology—Radcliffe-Bunting Fellowship

Cynthia Becker, Art History—Radcliffe Fellowship and 2010 Fulbright Fellowship

Maurice Lee, English—American Council of Learned Societies

Archie Burnett, English/Editorial Institute—National Endowment for the Humanities

Charles Griswold, Philosophy—American Council of Learned Societies

Juliet Floyd, Philosophy—Lichtenberg Kolleg Fellowship

Akihiro Kanamori, Mathematics and Statistics—Lichtenberg Kolleg Fellowship

Sarah Phillip, Writing Program—Fulbright Fellowship

### ***Fellowships***

Nancy Smith-Hefner, Anthropology—Radcliffe-Bunting Fellowship

Cynthia Becker, Art History—Radcliffe Fellowship and 2010 Fulbright Fellowship

Maurice Lee, English—American Council of Learned Societies

Archie Burnett, English/Editorial Institute—National Endowment for the Humanities

Charles Griswold, Philosophy—American Council of Learned Societies

Juliet Floyd, Philosophy—Lichtenberg Kolleg Fellowship

Akihiro Kanamori, Mathematics and Statistics—Lichtenberg Kolleg Fellowship

Sarah Phillip, Writing Program—Fulbright Fellowship

### ***Internal Awards***

The following is a listing of significant internal awards and honors received by CAS/GRS faculty in the 2008/09 academic year:

Emine Fetvacı, Art History  
*Peter Paul Career Development Professorship*

Tom Gilmore, Biology (presented jointly to Michelle LaCourse, BU's College of Fine Arts School of Music)  
*Metcalf Prize for Teaching*

Dilip Mookherjee, Economics  
*Gitner Prize for Excellence in Undergraduate Teaching*

Daniele Paserman, Economics  
*Neu Family Award for Teaching Excellence in Economics*

Paul Lipton, Center for Neuroscience  
Katherine O'Connor, Department of Modern Languages and Comparative Literature  
John Snyder, Department of Chemistry  
*Templeton Prize for Excellence in Student Advising*

[4.]

### **New Programs**

#### ***New Undergraduate Major and Minor Concentrations***

**Major and Minor in Marine Science** (approved by University Council in October 2008). 51 majors, and 15 minors, were enrolled in spring 2009.

- **Major in Neuroscience** (approved by University Council in October 2008). 83 majors were enrolled in spring 2009.
- **Major in Chinese Language & Literature** (approved by University Council in February 2009). One student has already declared this new major, and we expect that, with a record high 33 minors and strong interest among incoming students, some with prior language study, Chinese will grow quickly as a major field of study.
- **Major and Minor in Comparative Literature** (approved by University Council in February 2009). Two students who had been advised on an as-if basis and had met all requirements were able to graduate with this new major in May 2009.
- **Major in Biology with Specialization in Behavioral Biology** (approved by the Provost in April 2009 for implementation in fall 2009).
- **Major in Linguistics & Philosophy** (pending final University-level review).
- **Minor in Music Performance** (new CFA minor, approved for CAS students in November 2009).

### *New Graduate Degree Programs*

- **MA in Global Development Economics** (approved by University Council in October 2008). A first cohort of 8 students will matriculate in fall 2009.
- **MA in Global Development Policy** (approved by University Council in October 2008). Two students will enter this program in fall 2009.
- **MA in International Affairs** (approved by University Council in October 2008). This new two-year program will welcome 17 students in fall 2009.
- **MA in Latin American Studies** (endorsed by the CAS/GRS faculty in February 2009 for final development of study abroad component and University review in 2009/10).

### *New Dual Degree Program*

- **Bachelor of Arts (BA)/ Master of Public Health (MPH)** (approved by University Council in May 2009 for implementation in fall 2009).
- PhD: 195

[5.]

## NEW COURSES

The College Curriculum Committees recommended and the full CAS/GRS faculty approved the following course in 2008/2009.

**Humanities Curriculum Committee**, Professor Gene Jarrett (EN), Chair

CAS AH 300E	Frameworks for Interpretation: Historiography and Display <i>(London Program)</i>
CAS AH 308E	From Caesar to Corbusier: The History of Switzerland through Its Art and Architecture <i>(Geneva Program)</i>
CAS AH 317	From Morocco to Timbuktu; Art and Architecture at the Saharan Crossroads
CAS AH 428	Seminar: Islamic Art

### London Courtauld Program:

CAS AH 430E	Seminar in Greek and Roman Art
CAS AH 440E	Seminar in Late Antique and Medieval Art
CAS AH 450E	Seminar in Renaissance Art
CAS AH 460E	Seminar in Seventeenth and Eighteenth-Century Art
CAS AH 480E	Seminar in Modern Art
CAS AH 490E	Seminar: Special Topics in the History of Art
CAS AH 580	Architectural Technology and Materials
CAS AR/AH 332	Greek and Roman Cities
CAS CL 325	Greek Tragedy and Film
CAS EN 592E	Travel Writing in Australia: Journey and Place in Literature and Creative Writing <i>(Australia Summer Program)</i>
CAS LC 470	Topics in Chinese Literature and Culture
CAS LF 407	Composition of French Poetry
CAS LI/RN/XL 459	Primo Levi within Holocaust Literature
CAS LJ 385	Intensive Kanji

CAS LJ 386	Japanese Translation/Interpretation Workshop
CAS LP 123	Intensive Elementary Portuguese
CAS LP 224	Intensive Intermediate Portuguese
CAS LS 110	Essential Spanish for Healthcare Professionals
CAS LX 235	Language in the Contemporary World: Technology, Society, and the Law
CAS LY 139	Intensive First-Year Arabic for Heritage Learners
CAS LY 214	Levantine Arabic
CAS LY 284	Arabs Write War: Poetry, Prose, and Drama since 1948 (in English translation)
CAS LY 341E	Culture in North Africa: Postcolonial Aesthetics and Politics ( <i>Rabat Program</i> )
CAS LY 403	Advanced Arabic I
CAS MU 243	Music as Social Experience ( <i>Honors/New College seminar</i> )
CAS RN 555	Dante's Hell
CAS RN 556	Dante: The Divine Comedy II; Purgatorio and Paradiso
CAS XL 222	Introduction to Comparative Literature: Western Literature (in English translation) ( <i>Carries HU divisional studies credit</i> )
CAS XL 310	Topics in Classical and Modern Literature
CAS XL 351/LG 283	The Faust Tradition
CAS/GRS AH 313/713	Imperial Reflections: Early Modern Islamic Art and Architecture
CAS LH/ RN 320/GRS RN 620	Readings in Classical Hebrew
CAS/GRS LY/XL 441/741	1001 Nights in the World Literary Imagination
CAS/GRS PH 436/636	Gender, Race, and Science
CAS/GRS RN 364/664	Buddhist Literature
CAS/GRS RN 391/691	American Catholic Narrative
CAS/GRS RN 453/753	Topics in Religion and Sexuality
GRS AH 892	Approaches to Architectural History
GRS CL 993	Proseminar I

GRS CL 994

Proseminar II

**Natural Sciences Curriculum Committee**, Professor Nathan Schwadron (AS), Chair

CAS AN 263            The Behavioral Biology of Women

CAS BI 224            Seminar in Behavioral Biology

CAS BI 309            Evolution

CAS BI 316            Quantitative Biology Seminar

CAS BI 327S           The Biology of Cancer

CAS BI 515            Population Genetics

CAS BI 551            Biology of Stem Cells

Marine Semester:

CAS ES 543            Estuaries and Nearshore Systems

CAS ES 545            Tropical Oceanography of the Caribbean Sea

CAS ES 546            Tropical Oceanography of the Caribbean Sea: Applications and Research

CAS MS 491/492      Undergraduate Research in Marine Science

CAS NS 291E           Introduction to Scientific Research (*Dresden and Grenoble programs*)

CAS PY 351            Modern Physics I

CAS PY 352            Modern Physics II

CAS PY/CS 536        Quantum Computing

CAS/GRS CH 425/625            Enzymology: Mechanisms of Enzymatic Reactions

CAS/GRS CH 426/626            Epigenetics

CAS/GRS CH 427/627            RNA Structure and Function

GRS AS 803            Research Methods in Astronomical Data Analysis

GRS ES 701            Quantitative Methods for Earth Sciences I: Mechanics of Earth Materials

GRS ES 702            Quantitative Methods for Earth Sciences II: Analysis and Modeling of Geologic Processes

**Social Sciences Curriculum Committee, Professor Douglas Kriner (PO), Chair**

CAS AN 337	Creation and Evolution
CAS AN/IR 563	Public Religion and Politics Across Cultures
CAS AN 573	The Ethnography of China and Taiwan
CAS AR 504	Preserving World Heritage: Principles and Practice
CAS EC 171	Personal Lifestyle Economics
CAS EC 364	Chinese Economy
CAS EC 536	Economics of Corporate Organization
CAS HI 235	The Culture of World War I ( <i>Honors/New College seminar</i> )
CAS HI 276	Early Armenia
CAS HI 381	The Samurai in Myth and History
CAS HI 384E/RN 346E	History and Religion: North African Issues ( <i>Rabat Program</i> )
CAS HI 387E/ IR371E	Shanghai: The Key to Modern China? ( <i>Shanghai Program</i> )
CAS HI 393	Americans and the Middle East
CAS HI 482	Merchants, Pirates, Missionaries, and the State in Maritime Asia, 600–2000
CAS HI 560	The American Transcendentalists
CAS IR/RN 318	Religion and American Foreign Policy
CAS IR 366/PO 377	Political Economy of East Asia
CAS IR 513/PO 546	Bureaucracy and Governance: A Comparative Inquiry
<u>Geneva/London Summer Program:</u>	
CAS IR 562E	Conflict Resolution: Concepts and Institutions
CAS IR 565E	Conflict Resolution: Workshop and Case Studies
CAS IR/PO 582	Taiwan: Politics and Transformation
CAS PH 255	Problems of Property ( <i>Honors/New College seminar</i> )
CAS PS 125	Revolutions in the Conceptualization of Mind: 1950s to the Present ( <i>Honors/New College seminar</i> )

CAS PS 200	Autism and Society
CAS PS 529	Neuroplasticity: Enabling the Brain to Heal Itself
CAS SO 210	Confronting Persistent Social Inequalities in American Schools: Educational and Sociological Perspectives
CAS SO 211	Confronting Racial, Cultural, Gender, and Social Identities in Urban Classrooms: Educational and Sociological Perspectives <i>(SO 210/211 taught at Trotter School, with field placements)</i>
CAS WS 351E	Constructing Gender in North Africa: Women, Islam, and Politics <i>(Rabat Program)</i>
CAS/GRS AR 390/790	The Archaeology of Southeast Asia
GRS AR 795	Politics, Nationalism, and Archaeology
GRS EC 764	Selected Topics in Economic History
GRS EC 794	Financial Econometrics
GRS IR 758/PO 785	Comparative Political Economy of China and India
GRS PO 742	Comparative Public Policy
GRS PS 825	Early Social Cognition

[6.]

### **Enrollment of CAS Students by Concentration (Spring 2009)**

(Source: Faculty/Staff Link, Spring '09)

BAs = Official as of Sum2 '08, Fall '08, and Spring '09

	<b>Majors</b>	<b>Minors</b>	<b>BAs Awarded</b>
<b>African American Studies</b>		5	
<b>American Studies</b>	19	0	7
<b>Anthropology</b>	138	63	42
<b>Anthropology and Religion</b>	10		3
<b>Approved Deferral</b>	650		

	<b>Majors</b>	<b>Minors</b>	<b>BAs Awarded</b>
<b>Archaeology</b>	91	11	29
<b>Art History</b>	149	57	70
<b>Astronomy</b>	7	2	3
<b>Astronomy and Physics</b>	30		7
<b>Geophysics and Planetary Sciences</b>	6		2
<b>Biochemistry and Molecular Biology</b>	281		70
<b>Biology (general)</b>	597	114	155
<b>Specialization: Cell, Molecular, and Genetics</b>	37		7
<b>Specialization: Ecology</b>	40		16
<b>Specialization: Marine Science</b>	10		8
<b>Specialization: Neurobiology</b>	12		
<b>Specialization: Neuroscience</b>	83		26
<b>Specialization: Quantitative Biology</b>	2		1
<b>Chemistry</b>	87	28	22
<b>Chemistry: Biochemistry</b>	21		1
<b>Chemistry: Teaching Chemistry</b>	1		0
<b>Classical Civilization</b>	56	15	24
<b>Ancient Greek</b>	0	0	0
<b>Ancient Greek &amp; Latin</b>	18		6
<b>Classics and Philosophy</b>	3		2
<b>Classics and Religion</b>	1		0
<b>Latin</b>	3	7	1

	<b>Majors</b>	<b>Minors</b>	<b>BAs Awarded</b>
<b>Modern Greek Studies</b>		6	
<b>Myth Studies</b>		2	
<b>Computer Science</b>	113	18	30
<b>Earth Sciences</b>	26	23	18
<b>Environmental Earth Sciences</b>	1		1
<b>Economics</b>	728	72	233
<b>English</b>	373	39	125
<b>Film Studies</b>		17	
<b>Geography and Environment</b>			
<b>Environmental Analysis and Policy</b>	76	30	17
<b>Environment Remote Sensing and GIS</b>		2	
<b>Environmental Science</b>	36	13	9
<b>Geography (Human and Physical)</b>	17	5	7
<b>History</b>	353	71	126
<b>Independent Concentration</b>	9	10	3
<b>Interdisciplinary Area Studies</b>			
<b>African Studies</b>		9	
<b>East Asian Studies</b>	17	10	7
<b>Latin American Studies</b>	9	3	3
<b>Muslim (Cultures and Societies)</b>		10	
<b>Russia and East Europe</b>	5	3	1
<b>International Relations</b>	1014	35	291
<b>Marine Science</b>	51	15	8

	<b>Majors</b>	<b>Minors</b>	<b>BAs Awarded</b>
<b>Mathematics (including Statistics)</b>	184	51	62
<b>Mathematics and Computer Science</b>	12		2
<b>Mathematics and Economics</b>	71		26
<b>Mathematics and Mathematics Education</b>	10		3
<b>Mathematics and Philosophy</b>	6		5
<b>Statistics</b>		36	
<b>Medical Science</b>	141		20
<b>Pre-dental Science</b>	13		1
<b>Medieval Studies</b>		9	
<b>Modern Languages and Comparative Literature</b>			
<b>Chinese</b>		33	
<b>Chinese Language and Literature</b>	199		
<b>Comparative Literature</b>	3	0	2
<b>German</b>		33	
<b>German Language and Literature</b>	10		2
<b>Hebrew</b>		0	
<b>Japanese Language and Literature</b>	21	36	4
<b>Russian</b>		7	
<b>Russian Language and Literature</b>	3		1
<b>Music</b>	25	29	8
<b>Neuroscience</b>	83		
<b>Philosophy</b>	125	47	46

	<b>Majors</b>	<b>Minors</b>	<b>BAs Awarded</b>
<b>Philosophy and Anthropology</b>			
<b>Philosophy and Physics</b>	1		0
<b>Philosophy and Political Science</b>	26		10
<b>Philosophy and Psychology</b>	17		4
<b>Philosophy and Religion</b>	9		5
<b>Physics</b>	63	10	10
<b>Political Science</b>	441	60	143
<b>Psychology</b>	872	124	302
<b>Religion</b>	58	55	20
<b>Judaic Studies</b>		6	
<b>Romance Studies</b>			
<b>French</b>		137	
<b>French Language and Literature</b>	61		10
<b>Hispanic Language and Literatures</b>	68		19
<b>Italian</b>		17	
<b>Italian Studies</b>	8		5
<b>Linguistics</b>	82	18	17
<b>Spanish</b>		152	
<b>Sociology</b>	161	41	52
<b>Women's Studies</b>		32	

[7.]

**CAS Students in Non-CAS Minors, Spring 2009**

	<b>Minors</b>
<b>Advertising</b>	19
<b>Business Administration and Management</b>	165
<b>Communication Studies</b>	8
<b>Dance</b>	5
<b>Education</b>	10
<b>Human Physiology</b>	17
<b>Journalism</b>	39
<b>Music Performance</b>	4
<b>Photojournalism</b>	9
<b>Physical Education, Health Education, and Coaching</b>	1
<b>Public Health</b>	68
<b>Public Relations</b>	22
<b>Speech, Language, and Hearing Science</b>	6
<b>Theatre Arts</b>	30
<b>Visual Arts</b>	34

**Number of CAS students who, in spring 2009, were pursuing simultaneous bachelor's degrees in CAS and a second BU undergraduate school or college under the auspices of the "BUCOP" dual degree program: 257**

**Number of CAS students who, in spring 2009, were pursuing dual BA/MA degrees offered jointly with the Graduate School of Arts & Sciences: 51**

[8.]

**Enrollment of CAS Majors by Department/Program**  
**(Spring 2008 vs. Spring 2009)**

	<b>2008</b>	<b>2009</b>
<b>American and New England Studies</b>	25	19
<b>Anthropology</b>	158	148
<b>Archaeology</b>	91	91
<b>Art History</b>	166	149
<b>Astronomy</b>	42	43
<b>Biochemistry and Molecular Biology</b>	251	281
<b>Biology</b>	857	781
<b>Chemistry</b>	124	109
<b>Classical Studies</b>	90	81
<b>Computer Science</b>	120	113
<b>Earth Sciences</b>	35	27
<b>Economics</b>	692	728
<b>English</b>	398	373
<b>Geography and Environment</b>	129	129
<b>History</b>	387	353
<b>Independent Concentration</b>	13	9
<b>Interdisciplinary Area Studies</b>	42	31
<b>International Relations</b>	1005	1014
<b>Mathematics</b>	265	283
<b>Medical Sciences</b>	160	154

	2008	2009
<b>Modern Languages and Comparative Literature</b>	33	38
<b>Music</b>	27	25
<b>Philosophy</b>	194	178
<b>Physics</b>	66	63
<b>Political Science</b>	474	441
<b>Psychology</b>	923	872
<b>Religion</b>	57	58
<b>Romance Studies</b>	222	219
<b>Sociology</b>	176	161

[9.]

**Undergraduate Education  
Enrollment and Student Profile**

*Total Full- and Part-time Enrollment in the College of Arts & Sciences*

<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
7292	7345	7597	7546	7437	7379

*Total Full- and Part-time Enrollments in the Graduate School of Arts & Sciences*

1727	1908	1902	1919	1945	1948
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*Total Enrollment in Arts & Sciences*

9019	9253	9499	9465	9382	9327
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*Incoming Freshman Enrollments in the College of Arts & Sciences*

<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
1830	1819	1845	1763	1805	1953

(goal: 1807)

*Incoming Transfers from Outside BU in the College of Arts & Sciences*

(goal: 114)

155	122	105	113	148	131
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**Average Combined SAT Scores of Incoming Freshmen (Paid Deposits)**  
(taken from Office of Admissions' Final Comparative Credentials Reports)

<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
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1310	1313	1314	1310	1306	1301
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[10.]

**DEPARTMENT CHAIRS, DIRECTORS, COMMITTEE CHAIRS, AND  
ADMINISTRATION 2008/09**

**Department Chairs**

Anthropology	Robert Weller
Archaeology	Ricardo Elia
Art History	Fred Kleiner
Astronomy	James Jackson
Biology	Geoffrey Cooper
Chemistry	John Straub
Classical Studies	Loren J. Samons II
Cognitive and Neural Systems	Ennio Mingolla
Computer Science	Stanley Sclaroff
Earth Sciences	Guido Salvucci

Economics	Kevin Lang
English	Laurence Breiner
Geography and Environment	Mark Friedl
History	Charles Dellheim
International Relations	Erik Goldstein
Mathematics and Statistics	Ralph D'Agostino
Modern Languages and Comparative Literature	William Waters
Philosophy	Daniel Dahlstrom
Physics	Bennett Goldberg
Political Science	Walter Connor
Psychology	Michael Lyons
Religion	Stephen Prothero
Romance Studies	Christopher Maurer
Sociology	Nancy Ammerman

**Directors of Centers and Institutes**

Center for Adaptive Systems	Stephen Grossberg
African Studies Center	James Pritchett
Center for Anxiety and Related Disorders	David Barlow
Center for Archaeological Studies	James Wiseman
Center for Chemical Modeling and Library Development	John Porco and James Panek
Center for East Asian Archaeology and Cultural History	Robert Murowchik
Center for Ecology and Conservation Biology	Thomas Kunz

Center for Energy and Environmental Studies	Robert Kaufman
Center for Integrated Space Weather Modeling	W. Jeffrey Hughes
Center for International Relations	Vivien Schmidt
Elie Wiesel Center for Judaic Studies	Steven Katz
Geddes Language Center	Robert Rothstein
Center for Mathematical Physics	Dirk Kreimer
Center for Memory and Brain	Howard Eichenbaum
Center of Philosophy and History of Science	Alfred Tauber
Center for Polymer Studies	H. Eugene Stanley
Center for Remote Sensing	Farouk El-Baz
Science and Mathematics Education Center	Kenneth Brecher
Center for Space Physics	Supriya Chakrabarti
Center for Transportation Studies	Tiruvarur Lakshmanan
Institute for American Political History	Bruce Schulman
Institute for Astrophysical Research	Tereasa Brainerd
Institute for the Classical Tradition	Wolfgang Haase
Institute for Economic Development	Dilip Mookherjee
Editorial Institute	Archie Burnett and Christopher Ricks
International History Institute	William Keylor
Institute for the Study of Muslim Societies and Civilizations	Herbert Mason
Institute for Philosophy and Religion	M. David Eckel
Humanities Foundation	Katherine O'Connor

## **Directors of Graduate School Programs and Divisions**

African American Studies Program	Ronald Richardson
American and New England Studies	Anita Patterson
Applied Linguistics Program	M. Catherine O'Connor
Intercollegiate Program in Bioinformatics	Charles DeLisi
Biostatistics Program	Ralph D'Agostino
Cellular Biophysics Program	M. Carter Cornwall
Creative Writing Program	Leslie Epstein
Mathematical Finance Program	Andrew Lyasoff
Program in Molecular Biology, Cell Biology, and Biochemistry	Ulla Hansen
Interdepartmental Program in Neuroscience	William Eldred
Division of Religious and Theological Studies	Jonathan Klawans

## **Directors of College Programs**

Biochemistry and Molecular Biology	John Celenza
Core Curriculum	M.David Eckel
East Asian Studies	Joseph Fewsmith
Honors Program	Hseuh-Ling Huynh
Latin American Studies	Strom Thacker
Boston University Marine Program	Richard Murray
Undergraduate Neuroscience Program	Howard Eichenbaum
Russian and Eastern European Studies	Igor Lukes
Women's Studies Program	Shahla Haeri
Writing Program	Michael Prince

## **Chairs of CAS/GRS Committees**

Academic Conduct Committee	Vince Dionne, Nancy Harrowitz, Stefan Hofmann
Academic Policy	Kim McCall (Biology)
Appointment, Promotion and Tenure	Strom Thacker (International Relations)
Graduate Academic Standards and Conduct	Clifford Backman
Humanities Curriculum	Patricia Johnson (Classical Studies)
Natural Sciences Curriculum	Gail Patt (Biology)
Social Sciences Curriculum	Joan Walker, (Geography and Environment) Houchang Chehabi (International Relations)
Sexual Harassment	Kevin Lang (Economics)
Secretary to the Faculty	Patricia Hills (Art History)
<b>Administration</b>	
Dean of Arts and Sciences	Virginia Sapiro
Associate Deans	
Senior, Undergraduate Education	Susan K. Jackson
Graduate School	J. Scott Whitaker
Undergraduate Programs	Wayne Snyder
Faculty Actions	Peter B. Doeringer
Finance and Administration	Juliana Walsh Kaiser
Assistant Deans	
Core Curriculum	M. David Eckel
College Writing Program	Joseph Bizup
Premedical Studies	Glen Zamansky
Prelaw Advising	Edward Stern

Directors

Communications	Amy Davis
Development	Karen Weiss Jones
Academic Services	Kerry Buglio
Student Programs and Leadership	Gretchen Peterson
Financial Administration	Paula Wasson
Personnel Administration	Richard Wright
Executive Assistant to the Dean	Christopher McMullen

and keen attention to the goals of BU's strategic plan, we will strive for even greater excellence as we foster a vibrant learning environment where great people do extraordinary things.