Education has prepared students for success and lifelong learning, Eisgruber tells graduates

Umama Patel

In his first Commencement address as president of Princeton University, Christopher L. Eisgruber advised graduates on Tuesday, June 3, to embrace their uncharted futures and encouraged them to continue learning throughout their lives.

“My colleagues and I could not possibly teach you everything you need to know for your path beyond Princeton. We have not even tried to do so,” said Eisgruber, who became Princeton’s 20th president on July 1. “But we have tried to teach you how to learn what you need to know to travel that path and to flourish in the places that it takes you. Indeed, the twists and turns in the path beyond Firestone Gate are not only inevitable. They are to be relished. Twists and turns bring discovery, they demand new learning — and that is a good thing.”

Speaking to a crowd of about 10,000 students and guests on the front lawn of Nassau Hall, Eisgruber offered the example of an 1879 Princeton graduate, Tommy Wilson, who was adrift after earning his Princeton graduate, Tommy Wilson, who was adrift after earning his name in favor of his middle name (Woodrow) and became a Princeton professor and University president (known as MOOCs) lack the benefits degree that prepares you for the long term — that prepares you to adapt and to confront challenges and to seize opportunities that you may not now be able even to imagine.”

Eisgruber said that Princeton faculty members, like all great teachers, work to inspire a love of learning in their students.

“Even those of us who teach spectacular students like you find ourselves using all sorts of tricks to get your attention and engage your imagination. We will use whatever it takes: provocative questions, fanciful stories, in-class experiments, free food, bad jokes, dramatic pauses, demonstrative gesticulation,” he said, waving his hands.

Eisgruber emphasized that teaching is a personal act built on personal, individual relationships. For that reason, he said, massive open online courses (known as MOOCs) lack the benefits work to inspire a love of learning in their students.

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Eisgruber emphasized that teaching is a personal act built on personal, individual relationships. For that reason, he said, massive open online courses (known as MOOCs) lack the benefits and impact of an in-person learning environment. Because investing in personalized education is expensive, Eisgruber urged students to “become advocates for the kind of personal teaching that has made a difference in your own lives.” He said, “As we know from Tommy Wilson’s story and your own stories, an investment in the personal art of teaching is one of the best investments that our society, or any society, can make.”

Continued on page 5

Senior thesis: Evaluating alternative academic credentials

Eric Wilkens

Applying technology to multiple disciplines has long been of interest to Taylor Francis, a Menlo Park, California, native, who grew up surrounded by technology and the startup world in Silicon Valley. In his latest project, the Princeton University senior is examining some of the ways that technology and education mix.

While a student at Princeton, Francis completed internships at Facebook; Square, the mobile-based payment company; and Coursera, a platform for massive open online courses (MOOCs) that allows students from anywhere in the world to learn from professors at more than 100 leading universities, including Princeton.

For his senior thesis, Francis, a major in the Woodrow Wilson School of Public and International Affairs, wanted to apply his interests in the tech world to important policy issues. His experience at Coursera showed him that the traditional higher education model — courses in a structured program that lead to a formal degree and eventually a job in that field — is being challenged by recent educational innovations.

“Part of why people get an education is to learn,” he said. “But part of
Deborah Prentice, the Alexander Stewart 1886 Professor of Psychology and Public Affairs, will be the next dean of the faculty.

Prentice selected as dean of the faculty

Deborah Prentice, Princeton's 1886 Professor in the Language, Literatures and Civilizations of Spain, has been named as Princeton's next dean of the faculty, the university announced on June 4.

Prentice, who has chaired the psychology department since 2002, will succeed David Dobkin, who has been dean since 2003. He announced in February that he was stepping down at the end of the academic year. The dean is a member of the president's cabinet and the academic planning group, works with the president and provost on academic initiatives, and serves as secretary to the Trustees' Academic Affairs Committee. Prentice also serves as secretary of the Faculty Advisory Committee on Appointments and Advancements and the Faculty Committee on Policy, and is an ex officio member of numerous other committees.

Prentice's University service includes serving as co-chair of the Trustee Ad Hoc Committee on Diversity from January 2012 to September 2013. The committee's report and recommendations, which outlined a comprehensive strategy to increase the inclusivity of the University community, were unanimously endorsed by Eisgruber and the Board of Trustees.

Prentice is a member and former chair of the resources committee of the council of the Princeton University Community faculty associate in the University Center for Human Values and in the Program in Gender and Sexuality Studies. Faculty member in the McGraw Center for Teaching and Learning and in Whitman College; Prentice is a member and former chair of the council of the Princeton University Community faculty associate in the University Center for Human Values and in the Program in Gender and Sexuality Studies. Faculty member in the McGraw Center for Teaching and Learning and in Whitman College; Prentice has served on the Princeton Board of Visitor and on the Woodrow Wilson School of Public and International Affairs.

As dean, Prentice said, she will draw on these varied experiences. "As a department chair, I have had a great deal of experience recruiting, developing, supporting and retaining the faculty of my own department and I believed that experience has given me valuable insight into what faculty members want and need in order to flourishes at different stages of their careers and also insight into the challenges that departments face in their efforts to bring the most talented scholars and teachers to campus and keep them here," she said.

"I have also had a lot of experience working closely and collaboratively with colleagues in other departments and in developing interdisciplinary initiatives. Finally, as co-chair of the Trustee Ad Hoc Committee on Diversity, I learned a great deal about why diversity is critical to Princeton's mission and about the ways in which we could and should work at the department level to help to create the conditions that enable a diverse student body to flourish in our community."

In her current role as a sociologist and a member of the behavioral policy group in the Princeton School of Public and International Affairs.

Deborah Prentice, the Alexander Stewart 1886 Professor of Psychology and Public Affairs, will be the next dean of the faculty. The Board of Trustees has approved the following faculty moves.

Promotions

Twenty faculty members will be promoted effective July 1.

Assistant professor — Carlos Brody, molecular biology and Princeton Neuroscience Institute; Andrew Cole, English; Asif Ghafoor, psychology and public affairs; Anna Katsnelson, Slavic languages and literatures; David Sraer, economics; Jakub Jurek, computer science, to accept a position at the University of California, Berkeley.

Assistant professor — Zsolt Patakfalvi, mathematics.

Endowed professorships

Nine faculty members have been named to endowed professorships, effective July 1.

• Diana Galle, the Walter S. Carpenter Jr. Professor in the Language, Literature and Civilization of Spain.
• Michael Koortbojian, the M. Taylor Pyne Professor of Ancient Church History.
• Melissa Lane, the Class of 1943 Professor of Politics.
• Sarah-Jane Leslie, the Class of 1943 Professor of Philosophy.

• Atif Mian, the Theodore A. Wells '29 Professor of Economics and Public Affairs.
• Gabriella Nouzeilles, the Emory L. Ford Professor of Spanish.
• Alan Patten, the Howard Harrison and Gabrielle Snyder Beck Professor of Political Science.
• James Smith, the William and Edna Macalder Professor of Engineering and Applied Science.
• Judith Weisfeld, the Agate Brown Professor of Economics and Political Science.
• Gabrielle Snyder Beck Professor of Religion.

Resignations

The following faculty members have submitted their resignations, effective July 1:

• Jane Dew, assistant professor of classics, to accept a position at the University of North Carolina-Chapel Hill.
• Rebecca Fiebrink, assistant professor of computer science, to accept a position at the University of London.
• Alexander Hirsch, assistant professor of politics and public affairs, to accept a position at the University of Pennsylvania.
• Anna Katsektin, assistant professor of Slavic languages and literatures.
• Jacob Voss, professor of sociology, to accept a position at Duke University.
• David Sraer, assistant professor of economics, to accept a position at the University of California-Berkeley.
• Nicolas TEMPLIER, assistant professor of mathematics, to accept a position at Cornell University.
• Anna Win Erdoğan, assistant professor of mathematics, effective Sept. 1.

Submissions

The stories published in the Princeton University Bulletin are drawn from the University's main website. To suggest news items for coverage, visit our “Submit News” Web page at www.princeton.edu/main/news/share/submissions.

Submit events

To submit event notices for the Featured Events calendar on the main University website, visit www.princeton.edu/main/news/share/events.

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**Board approves 17 appointments to Princeton faculty**

The Princeton University Board of Trustees has approved the appointments of 17 faculty members, including five full professors and 13 assistant professors.

**Professor — Judith Hamer, in dance, in the Lewis Center for the Arts, will join the faculty on July 1 from Texas A&M University, where she has been a professor since 2005. She previously taught at California State University-Long Beach. She earned her B.A. at Wayne State University and her Ph.D. at Northwestern University. Hamer’s research focuses on performance studies and she is the author of three books in the field. Her 2007 book, “Dancing Communities: Performance, Difference and Connection in the Global City,” was named Book of the Year by the National Communication Association Ethnography Division.

Iyana Kazemi, in economics, will join the faculty on July 1 from Columbia University. Kazemi is an assistant professor at Princeton from 2007 to 2012 and took public service leave to serve as a senior economic secretary in the U.S. Department of the Treasury in 2009-10. She holds bachelor’s and doctoral degrees from Harvard University and earned a second bachelor’s degree from the University of Oxford in 2005. A research fellow of the National Bureau of Economic Research, Kazemi studies public, labor and health economics. Recent research topics include redistribution of wealth, risk and health, and health and demand for health insurance.

Rumpa Lahiri, in creative writing in the Lewis Center for the Arts, will join the faculty on July 1, 2015. Lahiri is an extemned writer of essays, short stories and novellas and has written a collection of short stories, “Interpreter of Maladies,” was the Pulitzer Prize, and her 2013 novel “The Lowland” was a National Book Award finalist.

Lahlili is a writer in residence at John Cabot University in Rome, and she has since left that position. Last year she was a postdoctoral fellow at the University of California-Los Angeles. She earned her B.A. at St. Michael’s College and her Ph.D. at the University of California-Berkeley.

Jonathan Gribetz, in Near Eastern studies and Judicue studies, will join the faculty on July 1. Gribetz, whose research focuses on modern Israeli society, is an assistant professor at Rutgers University. He has an A.B. from Harvard, a Ph.D. from Stanford University and Oxford, and two master’s degrees and a Ph.D. from Columbia.

Johannes Haushofer, in psychology and public affairs, will join the faculty on July 1. Haushofer’s research interests include psychology, neurobiology and the economics of poverty. From 2011 to 2014, he was a postdoctoral fellow at Harvard and MIT. He earned a B.A. at Oxford, and doctoral degrees at Harvard and the University of Zurich.

Katherine Hill Reissel, in Slavic literatures and cultures, will join the faculty on Aug. 1. A scholar of Russian literature and culture, Hill Reissel holds bachelor’s and doctoral degrees from the University of Chicago.

Casey Lew-Williams, in psychology, will join the faculty on Sept. 1. Lew-Williams specializes in language acquisition and has been an assistant professor at Northwestern since 2012. He previously was a postdoctoral fellow at the University of Wisconsin-Madison. He earned his B.A. at University of California-Berkeley and his Ph.D. at Stanford University.

Elizabeth Lew-Williams, in history, will join the faculty on Sept. 1. A scholar of African history and modernizations, Lew-Williams has served as an acting faculty member on campus. The Princeton University chapter of Phi Beta Kappa gave its annual awards for excellence in undergraduate teaching, the Grishin Teaching Prize, and were honored during the Graduate School’s Hooding ceremony Monday, June 6, in Cannon Green.

**Profs. Jon Gross and Susan Stewart have received the University’s Howard T. Behrman Award for Distinguished Achievement in the Humanities.**

**Five Princeton University faculty members have been named recipients of the Graduate Mentoring Awards by the McGraw Center for Teaching and Learning and were honored during the graduate School’s Hooding ceremony Monday, June 6, in cannon Gre.**

**The Princeton University chapter of Phi Beta Kappa gave its annual awards for excellence in undergraduate teaching to Bonnie Bassler, the Squibb Professor in Molecular Biology, and Peter Samali, the Eugene Higgins Professor of Mathematics.**

**Two new research technologies — a microscope for probing bacterial biofilms and an instrument to measure the properties of ultrathin plastics — have been awarded funding at Princeton.**

**Princeton University and the International institutions with which it has strategic partnerships — Humboldt University in Berlin, the University of São Paulo and the University of Tokyo — have selected the second round of faculty research and teaching collaborations that they will support.**

**Princeton University’s Council for International Teaching and Research has selected four faculty proposals to receive grants totaling more than $130,000 from the Princeton Global Collaborative Networks Fund, which facilitates international scholarly networks.**
Nine named to Princeton Board of Trustees

James Randall, professor of music emeritus, died of a heart failure on May 28 at his home in Princeton, New Jersey. He was 84. Conversor, composer, musicologist and author, Randall was an avid advocate of and scholar of music and modern electronic music. During the 1960s, he was among the first to experiment with computer music.

Randall joined the Princeton faculty in 1958 and retired in 1999. With Paul Lansky, the William Shubert Unadren Professor of Music; Godfrey Winham; and others, Randall was instrumental in developing what was known as the Princeton Music IV (PMIV), a prehistoric music production system invented at the same time as the MIT 650/91 computer. Collaborating with Max Matthews of Bell Labs in Murray Hill, New Jersey, Randall helped develop a highly flexible music-performance program, enabling musicians to compose and edit complex music and assemble whatever “orchestra” they needed for a given work.

Randall published widely, including numerous contributions to the journal Perspectives of New Music, Journal of Music Theory, Music Theory Spectrum, the MENC Journal of the National Association for Music Education. He also taught a wide range of courses in composition and theory, analysis, ensemble performance, and theory to undergraduate and graduate students.

Randall was survived by his wife, Rachel Randall; two children, Rachel Barnett and Jonathan; and seven grandchildren. Contributions may be made to the Paul Randall, Jr. ’58 Scholarship Fund, Princeton University, Alumni and Donor Records, Attn: Helen Harding, 415随笔路, Princeton, NJ 08540. Gifts should be made payable to “Trustees of Princeton University,” with Randall’s name and memorial fund noted in the memo line. Gifts can also be made online; Randall’s name and memorial fund should be noted in the comments box.

Paul Sigmund, a Princeton University professor emeritus of political science and Latin American politics, died at the University Medical Center of Princeton at Plainsboro on April 27. He was 85 and died from complications of pneumonia, his family said.

Sigmund, a professor of politics emeritus, joined the faculty in 1963 and transferred to emeritus status in 2005. He helped establish the Princeton Program in Latin American Studies and was its director for seven years. Sigmund taught courses on political theory, ancient and medi eval thought, and on Latin American politics, the history of political thought and U.S.-Latin American relations.

During his retirement, Sigmund regularly attended lectures, seminars and other events at Princeton.

A summa cum laude and Phi Beta Kappa graduate of Georgetown University in 1950, Sigmund was awarded a Fulbright Scholarship and studied at the University of Durham in the United Kingdom. He earned his Ph.D. from Harvard University in 1959. He also studied at the University of Paris and the University of Cologne.

Sigmund served on the boards of Downtown and the Carnegie Council for Ethics in International Affairs and was a member of the Council on Foreign Relations. In 2001, he was the first American to receive the O’Higgins Order of Merit, awarded by the O’higgins Family Foundation for outstanding achievement.

Away from his work, son Stephen Sigmund, a Princeton alumnus, enjoyed his family and enjoyed classical music and spending time at the beach. A devout Catholic, he had long relationships with the Aquinas Institute and St. Paul Catholic Church in Princeton.

Sigmund’s wife, the late Princeton Mayor Barbara Boggs Sigmund, predeceased him. He is survived by two daughters, Mary Boggs Sigmund; two sisters, Mary Ann Wenginer and Katherine Pearse; three sons, Paul David and Stephen; a daughter-in-law, Melodie Hose; and four grandchildren, Corinne, Camilla, Ruby and Nola Sigmund.

Donations may be made in Sigmund’s honor to Hands Together, an education and development organization in Haiti.
Comencement

Continued from page 1

Eisgruber said he hoped students would continue to seek out the joy of learning after leaving school. “You will need to sustain the will to learn — you will need, in other words, to find the inspiration to read, the time to think, and the provocation and the energy to break away from the daily routines that enable you to cope with the responsibilities of adult life,” he said. “Honoring the value of learning is not always easy, but if you do, it will make your life’s journey more fulfilling. Your teachers on this campus have sought to kindle a deep and persistent love of learning within you, and, if you nurture that flame, its glow can illuminate your path and warm your soul.”

In closing, Eisgruber wished the graduates well as they began their journeys beyond Princeton’s gates, saying: “We send you our heartfelt congratulations, and we will watch your journeys with affection and with pride. We are thrilled that on this auspicious Commencement Day, you are now, and shall be forever into the future, Princeton University’s Great Class of 2014. Congratulations and best wishes!”

Pomp and circumstance

The ceremony’s two other speakers were valedictorian Katherine Pogrebniak, a computer science major from Jacksonville, Florida, and salutatorian Alexander Iriza, a mathematics major from Astoria, New York.

Pogrebniak spoke about the many unknown challenges and choices facing her fellow students. Yet because of the variety of skills each had learned, she said, they were well equipped for their futures. “I am a computer science major, but I am also a mathematician using numerical methods to solve complex differential equations, an artist using creativity to see problems in a new light, a historian learning from my previous mistakes, and an English major looking for incorrect syntax in code,” she said. “Princeton has given us the knowledge and self-confidence to be trailblazers. Now it is up to us to venture into the unknown and create a new path.”

Iriza delivered the salutatory address in Latin, which he studied intensively in high school. This Princeton tradition dates to the first Commencement in 1748, when the entire ceremony was conducted in Latin. The Latin Salutatory, Princeton’s oldest student honor, began as a formal address but today often contains humorous tributes and a fond farewell to Princeton campus life.

Iriza reminisced about the senior class’s “shared experiences,” such as “fires celebrating our victories in the battles of the game of feet,” referring to boofers held for football wins over Harvard and Yale. Said Iriza, “But most of all, we will remember the bonds we have made with each other.”

The University awarded degrees to 1,244 undergraduates in the Class of 2014, seven from other classes and 996 graduate students at its 267th Commencement. It also conferred honorary degrees and graduate degrees from the Class of 2014 included: 626 men • 618 women • 233 bachelor of science in engineering • 1,011 bachelor of arts

By the numbers

Princeton University awarded degrees to 1,244 undergraduates in the Class of 2014, seven from other classes and 996 graduate students at its 267th Commencement.

Those students receiving degrees from the Class of 2014 included:

- 132 highest
- 199 high
- 532 honors

Graduate students receiving degrees:
- 389 doctor of philosophy
- 421 master of arts
- 75 master in public affairs
- 92 master in finance
- 26 master of science in engineering
- 24 master of architecture
- 20 master in public policy
- 5 master of engineering
- 5 master of fine arts
- 1 master of arts in Near Eastern studies

A total of 365 undergraduates, or 45 percent of the class, received honors, including:

- 132 highest
- 199 high
- 532 honors

Graduate students receiving degrees:
- 389 doctor of philosophy
- 421 master of arts
- 75 master in public affairs
- 92 master in finance
- 26 master of science in engineering
- 24 master of architecture
- 20 master in public policy
- 5 master of engineering
- 5 master of fine arts
- 1 master of arts in Near Eastern studies

you have acquired here at Princeton can change the world,” Gore said. “The fact that the world has resisted change thus far is of no import.”

Christopher Lu, a 1988 alumnus, deputy secretary of the U.S. Department of Labor, former White House cabinet secretary and assistant to President Barack Obama, spoke at the interfaith Baccalaureate service on June 1, urging students to devote a portion of their lives to public service. “At its core, public service is a mindset. It is a commitment to address the problems of our time — and not simply pass those problems on to the next generation,” Lu said.

Said Lu, “By looking beyond yourself, by understanding how we are all connected as one people, by fighting for greater opportunity for all, and by continuing the legacy of progress that defines our nation, you choose the better history of this proud University and its graduates.”

Webcasts of Princeton graduation events are available on the University’s Media Central website, http://mediacentral.princeton.edu.

UPPER LEFT: Katherine Pogrebniak, a computer science major, gives the valedictory oration, telling her peers that it is their time to “venture into the unknown and create a new path.” UPPER CENTER: Before the ceremony, Christopher L. Eisgruber (center) meets with the faculty members recognized with the President’s Awards for Distinguished Teaching; (from left) Simon Gikandi, Robert Sandberg, Anthony Grafton and Graeme Gauckl. UPPER RIGHT: Alexander Iriza, a mathematics major, delivers the salutatory address in Latin — a tradition dating to 1748. LOWER LEFT: In the Faculty Room of Nassau Hall, Eisgruber (center) gathers with honorary degree recipients (from left) Herb Kelleher, James West, Madeleine Albright, James McPherson and Fazle Hasan Abed. LOWER RIGHT: Associate Director of the Program in Teacher Preparation Todd Kent (left), Eisgruber (center) and Director of the Program in Teacher Preparation Christopher Campisano (right) join the four New Jersey school teachers recognized for exceptional teaching; (from left) Chritta Cordes, Lake De, Lily Lee and Daniel Forc-Spitell.
Entrepreneurship committee seeks to engage alumni, campus community in fostering innovations for society

EMILY ARONS

The number of entrepreneurship-related activities at Princeton University has grown considerably in recent years, including the Keller Center’s eLab Summer Accelerator Program to support student ideas for startup businesses and projects. This past summer, student teams presented their projects to business people and entrepreneurs during the eLab Demo Day at the Friend Center.

Provost David Lee has asked the committee to conduct a strategic assessment of entrepreneurial opportunities through the lens of Princeton’s values of education, research and service. The group is working to develop a set of recommendations for actions the University can take to create an entrepreneurship “identity” at Princeton, and an environment that offers students and faculty the fullest opportunity to explore and pursue entrepreneurial paths.

The committee of 19 alumni, faculty, staff and students is chaired by Mung Chiang, the Phillip Y. Goldman ’86 and Burton G. Malkiel ’64 Professor in Engineering; and the Arthur LeGrand Doty Professor of Entrepreneurial Paths. The group began its work earlier this year and is returning to the faculty.

with entrepreneurial leaders and students at peer institutions; and surveying the University community via its new website.

“Princeton’s faculty, students, staff and alumni are increasingly interested in exploring Princeton’s emerging role in the area of entrepreneurship,” Lee said. “This is an opportune moment to develop a broad, holistic vision for what entrepreneurship ‘the Princeton way’ has defined entrepreneurship in a broad way as initiating transformative changes and challenging conventions through risk-taking actions using a relatively small amount of resources.”

The number of entrepreneurship-related activities on campus has grown considerably in recent years, ranging from courses such as “Entrepreneurial Leadership” and “Social Entrepreneurship: Ventures to Address Global Challenges”; to the annual Innovation Forum showcasing University research with potential to succeed in the marketplace and the eLab Summer Accelerator Program; and student organizations such as the Entrepreneurship Club and Social Entrepreneurship Initiative.

“We see entrepreneur not as a job title, but a mindset in approaching problems,” Chiang said. “Entrepreneurship is not just about startups and commercialization; it is a mindset that is looking to challenge conventional wisdom and to use innovations to help transform society.”

Committee member Vivian Qu of the Class of 2014 said she has observed growing student interest in entrepreneurship.

“Entrepreneurship at Princeton is not only about providing students the funding and resources to succeed with their startup ideas, but also to make them aware that entrepreneurship even exists,” said Qu, who has served as co-president of Entrepreneurship Club. “More and more people are getting interested now or keeping it in the back of their minds as a possibility later in life.”

Princeton alumni are also leaders in a range of entrepreneurial endeavors, from Class of 1989 graduate Wendy Kopp, whose senior thesis became the launch pad for the nonprofit organization Teach for America, to Class of 1986 graduate Jeff Bezos, founder and CEO of Amazon.com, and to Class of 1976 graduate Eric Schmidt, executive chairman of Google.

“We have numerous alumni engaging in entrepreneurial efforts in diverse ways,” Lee said. “They can be a great asset in providing their thoughts to the committee and engaging with the University to support this initiative.”

The committee expects to continue its work through the summer and fall to form recommendations on the vision, structures and mechanisms of entrepreneurship at Princeton. It plans to produce a report by the end of this year.

“Entrepreneurship is about creative individuals pushing, pivoting and persisting,” Chiang said. “Entrepreneurship ‘the Princeton way’ will flourish from the bottom up. We are looking at how entrepreneurship can enhance learning, discovery and societal leadership, and amplify Princeton’s unique strengths.”

In addition to Chiang, the committee members are:

• Lynda M. Clarizio, Class of 1992 and president of U.S. media for Nielsen;
• Kimberly de los Santos, the John C. Bogle ’51 and Burton G. Malkiel ’64 Director of the Pace Center for Civic Engagement;
• Catherine Dennen, Class of 2015 and co-president of the Social Entrepreneurship Initiative, 2013-14;
• University Trustee John Dickeman, Class of 1965, founder and managing partner of 5AM Ventures;
• Eric First, a doctoral candidate in the Department of Chemical and Biological Engineering;
• Chris Kuehn, Class of 1985, founder and CEO of Roseman Capital Group, and a lecturer in the Keller Center;
• Sanjeev Kulkarni, dean of the Graduate School and professor of electrical engineering;
• Melissa Lane, professor of policy;
• Kai Li, the Paul M. Wythes ’55 P’86 and Marcia R. Wythes P’86 Professor in Computer Science;
• Lynn Loo, the Theodore D. ’78 and William H. Walton III ’74 Professor in Engineering;
• David MacMillan, the James S. McDonnell Distinguished University Professor of Chemistry and chair of the Department of Chemistry;
• Adil Mahmoud, lecturer with the rank of professor in molecular biology and public policy;
• Pascale Poussart, director of undergraduate research in the Office of the Dean of the College and secretary to the committee;
• Vivian Qu, Class of 2014 and co-president of the Entrepreneurship Club, 2013-14;
• Jennifer Rexford, the Gordon Y.S. Wu Professor in Engineering and a professor of computer science;
• Gordon Ritter, Class of 1946 and founder and general partner of Emergence Capital Partners;
• Michael Shelly, professor of statistics in the Department of Mathematics and director of the Office of Technology Licensing; and
• University Trustee Peter Wendell, Class of 1972, managing director of Sierra Ventures.

The Princeton Entrepreneurship Advisory Committee (PEAC), which is gathering input and exploring options to recommend a broad vision for fostering entrepreneurship at the University, has launched a website seeking feedback from alumni, students, faculty and staff at www.princeton.edu/entrepreneurship.

David Dobkin, who is stepping down as dean of the faculty at Princeton at the end of June, was saluted with applause, song and pennies (one of the many items he collects) during the final faculty meeting of the academic year on Monday, May 19. Recognized by President Christopher L. Eisgruber for his 11 years of service as dean, Dobkin received a standing ovation from faculty members and administrators gathered at Nassau Hall. Afterward, a reception was held on the lawn in front of Nassau Hall. Dobkin, the Phillips Y. Goldman ’86 Professor in Computer Science, is returning to the faculty.
University and town of Princeton reach 7-year agreement on voluntary contributions

Princeton University and the town of Princeton, New Jersey, have reached a seven-year agreement under which the University will make voluntary unrestricted financial contributions to the municipality totaling $2.72 million, and will also make one-time contributions valued at $2.59 million to several identified municipal projects.

In the year 2004, the University’s voluntary unrestricted contribution will be $2.75 million, an increase of more than 5 percent over its 2013 contribution. In each subsequent year of the agreement, through 2020, the University’s voluntary unrestricted contribution will increase by 4 percent per year. In 2014, the University will contribute an additional $900,000 for the purchase of a new Free-B vehicle.

Over the course of the agreement, the University will also make the following one-time contributions:

- $250,000 toward construction of a new Princeton Fire Department of Public Works equipment.
- $500,000 toward construction of a new Princeton First Aid and Rescue Squad facility on municipal land.
- $250,000 toward the expansion of the Sheen Center (in addition to $300,000 already committed to this project under a prior agreement).
- $100,000 toward purchase of fire-fighting apparatus.

The University will also donate to the municipality by 2019 the University-owned parking lot on Franklin Street that has been valued in the range of $1 million.

Representing Princeton University in the discussions that resulted in this agreement were Vice President and Secretary Robert Durkee and Director of Community Affairs Kristin Appelget. Princeton University President Christopher L. Eisgruber met with municipal officials, as well as my colleagues at the University, who helped guide us to this agreement.

Simon explained the purpose of the agreement. "The big problem for MOOC certifications is that they lack the selective — anyone can sign up for a course, they’re not on the syllabus, and one-off courses don’t certify a broad set of knowledge; employers are looking for funds. Francis said. "Because employers were looking for a broad mixture of skills — not just one or two modules — they were cautious about attributing value to online course credentials. "Taylor could claim that these new innovative programs and courses may be properly assessed," Shapiro said. "He took on a very exciting new development in higher education and presented the issues they raise in a very thoughtful and well-informed manner."

Through his research, Francis found that students pursuing alternative education credentials wanted to supplement their college education to improve their career prospects.

"Studies show that people learn similar amounts in an online class as they do in a lecture class, and we’ve also found that people who graduate from developer bootcamps earn much more than those who take a computer science degree," he said. "We know these alternative methods of education work, but they are not as well screened as traditional universities go through every 10 years that serves as, according to the thesis, a ‘guarantor of educational quality and a gateway to learning and state financial aid.’" This is the most pressing policy question involving alternative education credentials," he said. "Because MOOCs and developer bootcamps don’t work toward a formal degree, and because they’re more modular than a traditional degree, they face a significant amount of scrutiny. To remedy this, universities and accreditation agencies could adopt common standards for these programs."
Eight faculty members transfer to emeritus status

Throughout his career, Bagley has also studied how works of art are made. He and Professor of Physics Christopher Tully recently received funding from Princeton’s Dean for Research Innovation Funds to develop an imaging system for ancient artifacts that involves microscopes, elementary particles and radiation. Before joining the Higgs boson.

Bagley earned his undergraduate and doctoral degrees at Harvard, in 1967 and 1981, respectively, and he also received an art degree during the University of Chicago in 1969. He taught at Harvard before coming to Princeton in 1985. Before assuming the Princeton faculty in 1997, is known for his advances in measuring the concentrations and isotopic ratios of important chemicals in the environment, atmosphere and marine sediments to better understand climate and environmental chemistry.

His work on determining the age of ice cores has helped to date climate changes of the ice ages. Another significant thrust of Bender’s research involves studying various aspects of the current global carbon cycle, such as the roles of the ocean and land in absorbing and releasing carbon dioxide. A member of the National Academy of Sciences, Bender earned his B.S. in chemistry from Carnegie Mellon University in 1965 and his Ph.D. in geology at Columbia University in 1971. After a postdoc at the University of Rhode Island for 25 years, he taught at Columbia and the State University of New York.

Bender is a pioneer in the field of applying nuclear physics, the fields of atomic and nuclear physics. His work on techniques for producing novel applications in magnetic resonance imaging, or MRI, of the lungs; the company that Happer and his colleagues started to commercialize this technology is now part of General Electric.

Happer has worked extensively in government, including advising the federal government through his membership of the Jason group, serving as a director of energy research in the Department of Energy from 1991 to 1993, and chairing panels and committees related to nuclear and radiological issues as well as improvised explosive devices. Happer is a fellow of the American Physical Society and American Association for the Advancement of Science, and a member of the American Academy of Arts and Sciences, the National Academy of Sciences, and the American Philosophical Society.

After receiving his B.S. in physics from the University of North Carolina in 1960, Happer earned his Ph.D. in physics from Princeton in 1964. He taught at Columbia before coming to Princeton in 1980 as a professor of physics.

Knapp’s research has focused on observations of the intermediate scale of the Milky Way and other galaxies as they relate to star formation, molecular cloud structure, mass loss from evolved stars and galactic structure. Since about 1990, she has been part of the Sloan Digital Sky Survey, processing data and taking part in the discovery and characterization of stars. She is also involved in research for planets through the Subaru Telescope and National Astronomical Observatories of Japan.

Appiah earned his bachelor’s degree in philosophy of language, African studies, race and ethnicity from the University of Rhode Island in 1966 and her Ph.D. in astronomy from the University of Maryland in 1972. She taught at the University of Maryland and conducted research at the California Institute of Technology on the day before coming to Princeton. She joined the University as a research astronomer in 1980 and became an associate professor in 1984.

Lansky is an award-winning composer. He began his specialising in computer music, writing music and software to get computers to make human-sounding music. He often incorporated the sounds of everyday speech, making the pieces more human. Since the 1990s, he has also written works for instruments and human performers. His 2005 piece “Etudes and Parodies,” for horn, violin and piano, won the International Horn Society Competition.

With more than a dozen albums to his name, Lansky’s honors include a Guggenheim fellowship and the Recording Award from the National Endowment of the Arts. He has performed at Lincoln Center and the Sydney Opera House, among other venues.

Lansky earned his B.A. from Queens College in 1965 and his Ph.D. in music from Princeton in 1973. He began teaching at Princeton as an instructor in 1969 and joined the faculty as an assistant professor in 1971.

Peterson is an expert in computer networking and distributed computing, and the author of an influential textbook in the field, “Computer Networks: A Systems Approach.” Since its launch in 2004, he has been the director of the PlanetLab Consortium, a network of 1,500 computers at 500 locations serving as testbeds for computer networking and systems research.

Peterson is a fellow of the Association of Computing Machinery, Institute of Electrical and Electronics Engineers (IEEE), and was elected to the National Academy of Engineering. In 2010, he won the IEEE Kobayashi award for outstanding contributions to the integration of computers in communications. In 2013, he won the IEEE Computer Society Award for “groundbreaking advances in how networking and distributed systems research is conducted, and major contributions to education.”

Peterson earned his B.S. in computer science at Keasbey State College in 1979 and his Ph.D. in computer science at Purdue University in 1985. He taught at the California Institute of Technology, then joined the Princeton faculty in 1998.

Portes, who joined the faculty in 1997, is a sociologist with interests spanning social stratification and status attainment in the United States, Canada, Mexico and South America. He is a sociologist with interests spanning immigration and immigrant communities related to the United States, Canada, Mexico and South America, and his work focuses on the effects of immigration policies on the economic and social well-being of immigrants.