

## SABBATICALS AND PROFESSIONAL LEAVES

### 1. Faculty

Any tenured member of the University faculty may apply for a sabbatical leave for the purpose of increasing the recipient's professional competence and usefulness to the University. Sabbatical leave time may be used for research, writing or study at a place of the recipient's choosing. University personnel holding tenured faculty rank whose duties are primarily administrative are also eligible for sabbatical leaves. A minimum of six years of academic service at the University must precede each period of sabbatical leave, although no right accrues automatically through lapse of time.

Sabbatical leaves are not ordinarily available for the purpose of obtaining an advanced degree. A faculty member who fails to return to the University for at least one academic year immediately following a sabbatical leave is obligated to repay the amount of compensation received from the University during the leave. Leaves for a full contract year are compensated at a rate equal to 60 percent of the employee's annual salary; leaves for a half-contract year are compensated at the employee's existing rate for the period.

In each case, the teaching responsibilities of faculty on sabbatical leave will be assumed by other instructors, and there will be no reduction in number of courses offered as a result of the sabbatical leave. Requests for sabbatical leave undergo review by the appropriate department head and dean. They are also reviewed by the Office of Academic Affairs.

This year, a total of 32 faculty members and academic professionals requested sabbatical or professional development leaves. Academic Affairs screened these requests and forwarded 29 requests with positive recommendations.

#### College of Agriculture and Natural Resources

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>Department of Molecular Biology</i>			
<b>Gomelsky, Mark</b>	Professor	Spring	2014-2015
Dr. Gomelsky will expand his research from basic research on photoreceptors to biomedical applications of engineered photoreceptors. Specifically, he intends to use bacteriophytochrome photoreceptors as antennas through which we can remotely control behavior of tumor-killing bacteria.			
<b>Wall, Daniel M.</b>	Associate Professor	Spring	2014-2015
Dr. Wall will conduct cutting edge research in a leading microbiology laboratory of Professor Trevor Lithgow at Monash University in Melbourne, Australia. Dr. Wall will build an important collaborative relationship with Dr. Lithgow and will use new scientific instrumentation and approaches.			
<b>Ward, Naomi</b>	Associate Professor	Fall	2014-2015
Dr. Ward will increase her professional competence through intensive research focused on the human microbiome. Her expertise in this area will be enhanced through collaborative interaction with a first-rate gastroenterology research group at Harvard Medical School.			

#### College of Arts & Sciences

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>Department of Anthropology</i>			
<b>Murphy, Melissa S.</b>	Associate Professor	Fall	2014-2015

Associate Professor Murphy will study the effects of Inca and Spanish colonialism on indigenous peoples from South America through the examination of human remains. This investigation will be published as a book shortly after completion of the sabbatical. Murphy will also apply for funding for the initiation of her next project at Cerro Hualgayoc, Peru, which will support her research, as well as lower the costs for international field school in Peru that she will co-organize and run.

### *Department of Art*

**Hunt, Elizabeth Moore** Associate Professor Academic Year 2014-2015

Associate Professor Hunt intends to complete her book project, *The Count's (Im)Pious Prayers: The Psalter of Guy of Dampierre, Count of Flanders (1278-1305)*, which will be published by Brepols in the Harvey Miller Series, and to edit a special issue of the journal, *Peregrinations: Journal of Medieval Art and Architecture*. The book focuses on an exquisite psalter in the Royal Library of Belgium that was customized for the Count of Flanders, Guy of Dampierre, in 1278 and that represents one of the earliest illuminated manuscripts containing a full program of drolleries in the margins, including knights, musicians, and mermaids cavorting alongside grotesque hybrids, animal fables, and popular proverbs. The special issue of *Peregrinations* invites cultural historians and archaeologists to expand the spectrum of artistic media that survive in the region of Flanders and to explore how material culture can be considered in the shaping of a distinctive, historical Flemish identity.

**Russell, Douglas J.** Associate Professor Spring 2014-2015

Associate Professor Russell will develop of a new body of large drawn works of art combined with sound elements. Russell will also expand the itinerary and focus of his current UW summer study abroad class to Turkey. He plans to travel to the Aegean coast and the Cappadocia region of Turkey, Angkor Wat in Cambodia, and to the Bagan Temples of Myanmar to study and draw from their exceptional architectural ruins.

### *Department of Chemistry*

**Parkinson, Bruce A.** Professor Academic Year 2014-2015

Since solar energy is the most abundant and widespread renewable energy source, developing a method to store it for use at night and for transportation would be a major step in transitioning our society to a sustainable energy economy. During the sabbatical year Dr. Parkinson will be travelling between the Technical University of Darmstadt, the Helmholtz Centrum in Berlin, the Joint Center for Artificial Photosynthesis at Caltech, as well as the University of Wyoming, to extend the research Bruce initiated at UW to develop materials to enable cheap and efficient devices to produce hydrogen fuel from sunlight and water. These institutions all have World-class programs each with a different approach and different research facilities to help develop that split water molecules with sunlight to produce hydrogen.

**Zhou, Jing** Associate Professor Spring 2014-2015

Associate Professor Zhou will pursue research opportunities at the Brookhaven National Laboratory in the research group of Dr. Jose Rodriguez, a renowned scientist in the field of catalysis. The primary goal for the sabbatical leave is to embark new research directions and learn new experimental techniques and tools within Dr. Jose Rodriguez's research group as well as the world-renown National Synchrotron Light Source facility. The sabbatical leave will help Prof. Zhou to expand her research program and apply for new types of research grants. It will also broaden UW research areas and infrastructures in materials science and catalysis and promote education and training of both graduate and undergraduate students through the curriculum development as well as research in the lab.

### *Department of English*

**Hagy, Alyson** Professor Academic Year 2015-2016

Professor Hagy will complete a new novel. She also wants to do some additional work in letterpress and printmaking in order to enhance her teaching in the interdisciplinary MFA Program in Creative Writing and the undergraduate minor in creative writing.

### *Department of Geology & Geophysics*

**Cheadle, Michael J.** Associate Professor Academic Year 2014-2015

Over two-thirds of the surface of the Earth is relatively inaccessible seafloor lying beneath the 6km deep oceans. Associate Professor Mike Cheadle's research is aimed at understanding how this seafloor and the crust below it is created, and to do this he needs to use analytical equipment and visit sample repositories that are unavailable in Wyoming. A one year sabbatical visit to two of the leading research institutions in the US; the Woods Hole Oceanographic Institution & the University of California, Santa Cruz, would facilitate this need and significantly

enhance his research & teaching programs at the University of Wyoming.

**Frost, Carol D.** Professor Spring 2014-2015

Dr. Frost will undertake research on the origin and evolution of the Earth's oldest crust. 3.3 billion year old rocks in central Wyoming contain cores of mineral grains that formed 3.8 billion years ago, and provide a rare opportunity to decipher the tectonic regime and geologic processes that operated early in Earth history. This research will contribute to teaching in a number of courses, including GEOL 4050: Geology of Wyoming.

**John, Barbara E.** Professor Academic Year 2014-2015

Professor John's sabbatical is motivated by interest in two fields in the Earth Sciences – earthquake hazards, and the origin of over 60% of the Earth's crust. For the first part of her sabbatical, she will collaborate with earthquake seismologists at UC Santa Cruz to address how and why large earthquakes may occur on large-offset low angle normal faults. The second phase of sabbatical will be spent at Woods Hole Oceanographic Institution (MA) enhancing existing collaborations regarding the origin of oceanic crust. Together the two opportunities will provide intellectual stimulation to increase research productivity, and provide new knowledge and openings for both undergraduate and graduate students in the Department of Geology and Geophysics.

**Kaszuba, John P.** Associate Professor Academic Year 2014-2015

Associate Professor Kaszuba has produced new insights into the geochemical interactions that take place among water, carbon dioxide, and rocks in the Earth's crust, and the impacts these interactions have on energy systems. Nascent collaborations with researchers at Utrecht University in the Netherlands have begun to integrate knowledge of geochemical behavior with an understanding of the mechanical behavior of rock and fault systems in natural carbon dioxide reservoirs. As a visiting scientist at Utrecht University, Kaszuba will advance these collaborations and develop interdisciplinary approaches to integrate geochemical and geomechanical understanding of a broad array of fluid-rock systems, especially energy systems.

**Myers, James D.** Professor Fall 2014-2015

Dr. Myers will develop a quantitative model for representing, exploring, and evaluating the integrated security implications of the energy-water-climate (EWC) nexus, the intersection of three intimately linked grand challenges faced by humanity. By developing quantitative procedures for representing EWC security, systematic, consistent, and objective evaluations of policy proposals, technological advances, engineering practices, and pending regulatory rules addressing these three grand challenges can be made. The proposed research will bring a measure of scientific analysis to energy, water, and climate debates that are increasingly important to Wyoming and the nation, but which are currently addressed qualitatively, subjectively, and piecemeal.

### *Department of Geology & Geophysics*

**Zhang, Ye** Associate Professor Academic Year 2014-2015

Associate Professor Ye Zhang has made contributions with her research in groundwater modeling, inversion, subsurface transport and multiphase flow. Collaboration with Colorado School of Mine's Center for Experimental Study of Subsurface Environmental Processes and Los Alamos National Laboratory Division of Computational Earth Sciences will enable the development of new modeling tools & techniques that can be tested and verified against laboratory and field data. This will lead to improved management of both water and energy resources. This collaboration promises new research proposals to acquire increased funding to support joint efforts between these organizations with new publications as well as joint student supervision. The sabbatical will integrate new research, which will contribute to technological advancements in aquifer and reservoir modeling. She will contribute to the State of Wyoming's Science and Technology Plan, the crux of which lies at the intersection of Water and Energy.

### *Department of History*

**Means, Jeffrey D.** Associate Professor Fall 2014-2015

Dr. Mean's study, Native Americans & American Citizenship, will examine the relationships between Native Americans and Americans concepts of "citizenship" and how they influenced one another over the last 237 years, particularly in the west after the 1840s. Means will study the course of this nation's history by examining the questions: What is American identity/What is native identity? Who can be an American/Who can be an Indian? What does it mean to be an American/What does it mean to be Native American? And how are they intertwined? The answers will reveal that those definitions have evolved dramatically over time and are contemporarily relevant. Ultimately, American assimilation policy failed to eliminate native cultures. This forced our nation to adapt and evolve to new concepts of "self" and "citizenship" that reveal a Native American influence.

### *Department of Mathematics*

**Ginting, Victor E.** Associate Professor Academic Year 2014-2015

Associate Professor Ginting will investigate the application of multiscale modeling and error estimation techniques for two problems: (1) Bidomain equation, which has been used for studying electrical behavior of the heart, (2) Bose-Einstein condensate, which studies the state of matter of particles under absolute zero temperature condition. The sabbatical leave will be used to visit and collaborate with several researchers at the Mathematics Department of National University of Singapore.

### *Department of Modern & Classical Languages*

**Mundt, Hannelore G.** Professor Spring 2014-2015

Professor Mundt will investigate most recent trends, transitions and turning points in German literature about Germany's Nazi past. Of particular interest are novels that ambiguously affirm, yet simultaneously resist, even reject German memory culture, and which contest the notion of accurate historical perception and knowledge. With its new insights into the cultural constructions of a nation's past and national identity, this research addresses, yet also goes beyond the specific discipline of German Studies. Therefore it should find a wider scholarly audience as well as provide interesting intellectual challenges to our UW students.

### *Department of Music*

**Turpen, John Scott** Professor Fall 2014-2015

Professor Scott Turpen plans to record two compact discs of new music with well-respected music labels ACA Digital and Dazzle Recordings. One recording will be classical chamber music with the Verismo Trio and the other recording will be jazz music with the Ben Markley Trio.

### *Department of Philosophy*

**Sherline, Edward D.** Associate Professor Spring 2014-2015

Associate Professor Sherline will complete a research paper defending balancing as a model of practical reasoning, begin work on a research paper analyzing the idea of a balanced life, and finally, develop a philosophy course with an African component.

### *Department of Physics & Astronomy*

**Dale, Daniel A.** Professor Spring 2014-2015

Professor Daniel Dale will reinvigorate collaborative work with colleagues at the California Institute of Technology. The five months at CalTech will be used to study the infrared spectra for a sample of distant galaxies, with the aim of characterizing the rate at which they form new stars. Products from this sabbatical will include two refereed papers and a large grant proposal to NASA.

**Wang, Wenying** Associate Professor Spring 2014-2015

Dr. Wang will investigate energy conversion materials, including magnetically-doped metal oxide nanowires and a special type of polymer-based electrolytes. Through the introduction of quantum mechanical (electron spin) effects, the nanowires may realize a control over electron relaxation, while the electrolytes could address critical issues related to corrosion in solar cells. These research activities should generate important insights into how solar cells operate, and could lead to the next generation of devices with enhanced energy conversion.

### *Department of Psychology*

**Hartung, Cynthia M.** Associate Professor Spring 2014-2015

Dr. Hartung intends to write and submit a National Institutes of Health grant proposal regarding the treatment of attention-deficit/hyperactivity disorder (ADHD) in college students and emerging adults. She also plans to travel to confer with her co-investigator and consultants regarding this proposal. Dr. Hartung will submit the grant proposal on or before the June 25, 2015 deadline.

**McKibbin, Christine L.** Associate Professor Spring 2014-2015

Dr. McKibbin will use sabbatical to further clinical research activities related to telemedicine. Youth with serious mental illnesses are particularly important because they are at particularly high risk for the development of cardiometabolic problems. She will partner with renowned youth mental illness and telemedicine scholars at Orygen Center to access a pool of over 300 families to assess needs for and feasibility of the intervention as well as the technology's architecture. She will conduct a series of focus groups with families and youth, as well as the team of

experts regarding youth with psychosis at the center, to elicit feedback on messaging and content to include in the online monitoring and feedback system. This work will culminate in an R34 application to further develop and pilot test the program. Currently there are no evidence-based interventions to improve health outcomes with youth with serious mental illnesses.

**Pepper, Carolyn M.** Professor Spring 2014-2015  
 Professor Pepper will use her sabbatical to develop a new line of research on suicidality. Wyoming currently has the highest suicide rate in the country, making this work particularly crucial for the state. In collaboration with clinicians in Cody, she will develop studies to investigate the predictors of suicidality and the efficacy of promising family-based treatment for suicidal individuals who live in rural settings.

*Department of Zoology & Physiology*

**Ben-David, Merav** Professor Fall 2014-2015  
 Dr Merav Ben-David will pursue a new interest in the development and consequences of eradication programs of invasive species. Her interests in the effects of invasive species originated from her work on river otters in Yellowstone National Park. There, an illegal introduction of lake trout has caused a severe decline in the abundance of native cutthroat trout and as a consequence river otters as well. More recently, Dr Ben-David was contracted by the Alaska Department of Fish and Game to review a proposal to eradicate mink from one of the islands in Prince William Sound (PWS). Dr Ben-David would use her sabbatical to learn more about eradication planning by interacting with some of the leaders in the field and visit several of the locations where eradication has been successfully implemented. Her plan is to travel to Cornell and spend time in Dr. Josh Donlan’s lab, a world leader in eradication planning, as well as travel to Hawaii to gain hands-on experience.

**Sun, Qian-Quan** Associate Professor Spring 2014-2015  
 Supported by an Academic Research Enhancement Award (AREA) from National Institute of Health (NIH), the main goal the sabbatical activities are to expand the research expertise of Dr Sun’s research laboratory from in vitro model into an integrated, multiple level of research in behaving animal models of diseases; and therefore enhance the competitiveness of the lab in grant applications.

**College of Business**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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*Department of Accounting*

**Kidwell, Linda A.** Associate Professor Spring 2014-2015  
 Dr. Kidwell will pursue studies of professional ethical awareness and development of governance structures in the emerging economy of Romania, building on her research record of international accounting ethics.

*Department of Economics & Finance*

**Barbier, Edward B.** Professor Spring 2014-2015  
 Dr. Barbier will finalize the manuscripts of the 2nd editions of two economic books, finalize for publication research and conference papers resulting from the on-going project "Land Degradation, Less Favored Lands and the Rural Poor: A Spatial and Economic Analysis", funded by the global Economics of Land Degradation Initiative and the German International Development Agency. Dr. Barbier will also conduct research and research advisory assistance for the World Bank project Wealth Accounting and the Valuation of Ecosystem Services (WAVES) and for the UN Environment Programme (UNEP) project Partnership for Action on Green Economy (PAGE).

*Department of Management & Marketing*

**Kidwell, Roland E.** Professor Spring 2014-2015  
 Dr. Kidwell plans to study family firms in Wyoming as well as in developed and developing economies worldwide. Dr. Kidwell will publish articles related to family firm issues such as generational succession, stewardship culture, family firm dynamics, and entrepreneurship/innovation in family firms. He will also continue development of the Center for Family Business and Entrepreneurship by surveying the needs of Wyoming and Front Range family firms.

**Peterson, Christian M.** Professor Academic Year 2014-2015

Dr. Peterson will be a visiting professor at Villanova University where he will teach the Nonprofit Consulting Practicum and will also be a visiting professor at Dublin Institute of Technology where he will teach Sustainable Business Practices. This will allow him to extend his current research that is focused on citizen preferences for energy policies in the US.

### College of Education

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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#### *Department of Educational Studies*

<b>Trent, Allen W.</b>	Professor	Fall	2014-2015
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Dr. Trent will conduct a statewide project called We Are Wyoming. His plan is (in collaboration with UW colleague Dr. Peter Moran and public school teachers at each site) to teach a unit of instruction around the state to 3rd and 4th grade elementary students. The unit lessons will be aligned with the Common Core State Standards (adopted by Wyoming). The We Are Wyoming activities will engage students and their teachers in exploring and learning about their local communities, regions, and the state of Wyoming. Products and outcomes will include: teacher resources for teaching to the Common Core Standards (model lesson plans, teaching materials, student work samples); exhibits of the students' writing, projects, and artwork; and a series of academic articles and presentations.

#### *Department of Elementary & Early Childhood Education*

<b>Nganga, Lydiah W.</b>	Associate Professor	Fall	2014-2015
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Dr. Nganga will complete a book entitled, "Social justice education, Globalization & Teacher education." This book will be a follow-up to another book, Exploring globalization opportunities and challenges in social studies: Effective Instructional Strategies (2013) that I co-edited. While writing the first book, she learned that there was a need to examine how teacher education programs are preparing educators for global consciousness and social justice education. The proposed book is aligned well with her scholarship interests. As a result, she expects to develop a scholarly instructional resource (book) that will provide educators in teacher education programs with effective ideas and instructional approaches relative to teaching for global consciousness and social justice education.

### College of Engineering and Applied Science

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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#### *Department of Civil & Architectural Engineering*

<b>Brant, Jonathan A.</b>	Associate Professor	Fall	2014-2015
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Dr. Brant will grow his expertise in the area of membrane development and application for treating oil and natural gas produced waters. Dr. Brant will enhance his knowledge of membrane material development through literature on membrane synthesis and material properties, visits and work done at academic and professional laboratories, and laboratory work focused on membrane construction. Collaborative work will be carried out with the University of Washington, K.C. Harvey and Associates, Ahlstrom Corporation, DOW Chemical and Hydration Technology Innovations.

### College of Engineering and Applied Science

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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#### *Department of Electrical and Computer Engineering*

<b>Pierre, John W.</b>	Associate Professor	Academic Year	2014-2015
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Dr. Pierre will continue to expand his research work in the area of smart electric power grids where over the past

decade he has received over \$2.5 million in funding. His research has been supported by the US Department of Energy, the Western Electricity Coordinating Council, Bonneville Power Administration, and the Power System Research Consortium. During his sabbatical he will visit Sandia National Laboratory, Pacific Northwest National Laboratory and 2 other universities.

*Department of Mechanical Engineering*

<b>Frick, Carl P.</b>	Associate Professor	Fall	2014-2015
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Dr. Frick will reinforce his collaboration with the Leibniz Institute for New Material (INM) in Saabrucken, Germany. Dr. Frick and a Ph.D. student will spend time at INM utilizing advanced experimental testing equipment to perform research that is directly related to his NSF-CAREER award.

**College of Health Sciences**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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*Wyoming Institute for Disabilities*

<b>Jarman, Michelle</b>	Associate Professor	Fall	2014-2015
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Dr. Jarman will focus on writing her scholarly book in disability studies. The book contributes to existing scholarship in two important areas: first, moving away from physical disability and theories of embodiment, which have been a dominant focus of the field, this project centers around cognitive, psychiatric, emotional and behavioral differences; second the project actively pushes away from identity theories to develop relational approaches to understanding disability.

**College of Law**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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<b>Courselle, Diane E.</b>	Professor	Spring	2014-2015
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Professor Courselle will spend the sabbatical in the Louisiana gulf coast working on two projects. First, she will work on a text of practical exercises to accompany the teaching of substantive criminal adjudication. Second, she will continue in her environmental justice research regarding the impact of wetlands loss on the diverse cultural communities of the gulf coast. As part of that project, she will also explore the use of storytelling techniques, and the rich stories of the impacted communities, to drive policy discussions about measures for remediating wetlands loss.

**University Libraries**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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<b>Goldenstein, Cheryl E.</b>	Associate Librarian	03/01/2015-08/31/2015	2014-2015
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The purpose of this sabbatical is to develop online learning modules to replace the TIP information literacy tutorial required for all undergraduates as part of the University Studies Program. Modules will reflect the 2014 revision of information literacy standards for higher education. Ms. Goldenstein will also pilot a peer mentor program that will, along with the new tutorials, help library faculty meet growing demands for library instruction.

**2. Academic Professionals**

The purpose of professional development leave is to allow academic professionals to enhance their performance, to conduct special studies, or in some other way to undertake planned activities related in a substantial manner to the individual's role at the University.

To be eligible to apply for professional development leave, academic professionals must have been granted an extended-term contract. Initial requests may be submitted no earlier than the seventh year of academic service. If granted, the leave may be taken no earlier than the eighth year. Subsequent leaves must be preceded by a minimum of six additional years of academic service,

although no right accrues automatically through lapse of time. Other conditions for professional development leave are generally those that apply to sabbatical leave for faculty.

An academic professional who fails to return to the University for at least one academic year immediately following a sabbatical leave is obligated to repay the amount of compensation received from the University during the period of his or her leave.

### College of Arts & Sciences

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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#### *Department of Communication & Journalism*

<b>Bingham, Beau B.</b>	Associate Lecturer	Fall	2014-2015
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Associate Academic Professional Bingham will revise two courses (COJO 1010 and COJO 3010) to fit the newly designed University Studies Program. Courses will be strengthened in regards to written, oral and digital communication. He will create and publish a new edition of the handbook used in COJO 1010 and design training for Graduate Teaching Instructors and Oral Communication Center consultants who will be working with the newly designed courses.

#### *Department of English*

<b>Pexton, Valerie S.</b>	Associate Lecturer	Fall	2014-2015
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Valerie Pexton, APL and advisor of the Creative Writing Minor, will use her professional development leave to develop her writing portfolio and teaching credentials, completing her novel. She will also finish three articles on pedagogy that consider how to bring alternative texts to class (film, social media) can challenge students' expectations and enhance their sensibility as writers.