

West Chester University: Full and part-time faculty members who conducted research related to one or more of the United Nations' Sustainable Development Goals between the fall semester of 2018 and the end of summer sessions of 2019. These 73 faculty members represent 29 separate academic departments and collectively are addressing research questions related to most of the 17 SDGs. Information for this inventory was collected by an electronic survey distributed to all 980 full- and part-time faculty in September 2019 by WCU's Office of Sustainability working in collaboration with Professors Lisa Calvano (Management) and Joan Welch (Geography & Planning). Inventory compiled on February 26, 2020 by Bradley Flamm, Director, Office of Sustainability.

Name	Academic Department	Description of Research Project(s)
1 Michael A. Di Giovine	Anthropology and Sociology	<p>1. Sustainable Food as Cultural Heritage in Central Italy = This program directly speaks to research into sustainability. Ethnographic in focus, it examines the discourse and practices of sustainability by small-scale food producers to negotiate social tensions. This is undertaken as part of ANT375: Ethnographic Field School, and in cooperation with (though not with) The Umbra Institute in Perugia, Italy. My book, Edible Identities: Food as Cultural Heritage (2014) was the source of this. I am in the process of writing a paper for Food and Foodways about this research.</p> <p>2. Sustainable Tourism = My main area of expertise is in tourism, and I have spoken and written extensively on the subject. In particular, I have been increasingly asked to write and speak on how tourism and cultural heritage preservation can be mutually sustainable; I have distributed surveys to anthropologists soliciting their input through the American Anthropological Association and the Society for Applied Anthropology. I have been asked to research and address issues of "overtourism" and carrying capacity from an anthropological standpoint as well. I have keynoted the United Nations World Tourism Organization's 40th Plenary Meeting of Affiliate Members in Hamdan, Iran (Nov 2018) on "Innovation: Potential or Pariah? for sustainable tourism"; and at ICOMOS' International Cultural Tourism Committee's workshop on the "Anthropological Perspective on Sustainable Tourism and Heritage" (May 2017), among other places.</p> <p>3. Sustainable Study Abroad = In part with Paul Sylvester at WCU (Education), I am researching ways in which study abroad travel can be made more sustainable from the ecological, economic and social perspectives. With John Bodinger de Uriarte, I am publishing an edited volume on study abroad; my contributions deal with social sustainability and ethics. The book, Study Abroad and the Quest for an Anti-Tourism Experience, will be out in March 2020. Paul and I recently won a CIP Internationalization Award to undertake 2 training sessions with study abroad directors, and I will be participating in the Forum for Education Abroad's annual conference, where the panel will be</p>
2 Aliza Richman	Anthropology and Sociology	<p>1. Intersectional Analyses Exploring Population-Level Biosocial Health During the Great Recession</p> <p>2. Aliza Richman</p> <p>3. A population-level examination of body mass index variation in the U.S. on account of the Great Recession with results analyzed by variation in race x gender x socioeconomic status.</p> <p>4. Work in progress.</p> <p>Relates to good health and well-being as well as the economy.</p> <p>1. The Biosocial Health Implications of Bridewealth Transfers in Ghana</p> <p>2. Aliza Richman</p> <p>3. An examination of the effects of bridewealth payments on women's blood pressure.</p> <p>4. Work in progress.</p>
3 Karen	Art + Design	<p>Creation of "Copenhagen: Sustainable by Design" exhibit is on display in the Knauer Gallery from Oct 1 - Nov 1 introduces visitors to the UN's 17 Sustainable Development Goals and illuminates how Denmark is on target to meet most of the 17 goals by 2030. Included in the exhibit are initiatives being advanced here on WCU's campus.</p>
4 Kate Stewart	Art + Design	<p>Creation of Campus Pigment Garden. Collaborators: Josh Braid, WCU Grounds Manager. Project Description: The implementation of a campus garden aligns with UN goals 4, 9, and 12 in addition to my own research of the origins of various art practices, processes and materials. In my painting and drawing courses I have designed lectures that identify the technological, political and cultural shifts in our shared history that have had incredible influence over art historical movements. Also particularly relevant to these lectures is the influence of technology, politics and culture over the materials available to artists in the creation of art works throughout history. Type of Project: Ongoing</p>
5 Teresa Donze-Reiner	Biology	<p>My project qualifies in the sustainability goal #3. Good health and well-being and #4 Quality Education. Analysis of genetic variants associated with psychiatric disorders. Collaborators: Drs. Anita Foeman and Bessie Lawton at West Chester University (WCU) in the Department of Communication and Media, Dr. Richard Crist and Dr. Benjamin Reiner, at the University of Pennsylvania. Assess if the current genetic data obtained by the AncestryDNA array could be correlated with different psychiatric or addiction disorders. Specifically, my group is evaluating if there are possible genetic variants associated with alcohol use, electronic cigarette use (i.e. vaping), and cannabis use as well as depression, anxiety, and suicidality. Research grant in progress.</p>
6 Jennifer Maresh	Biology	<p>My biological research projects all focus on describing "how animals work" both on land and in the water from the context of disturbed environments, including those affected by anthropogenic climate change and myriad human activities (oil and gas, extirpation of large predators, habitat alterations, etc.)</p> <p>Project 1: Title: Energy content of the zoobenthos in the feeding grounds of critically endangered western gray whales adjacent to Sakhalin Island, Russia. Collaborators: Arny L. Blanchard (Blanchard Ecological, Fairbanks, AK, 99708, USA), Natalia L. Demchenko and Ilya Shcherbakov (Laboratory of Marine Ecosystem Dynamics, National Scientific Center of Marine Biology FEB RAS, Russia), Lisanne A.M. Aerts (LAMA Ecological, Dallas, TX, 75219, USA), Lisa K. Schwarz (Institute of Marine Sciences, University of California, Santa Cruz, CA, 95060, USA) Description: Oil and gas activities off the northeastern coast of Sakhalin Island, Russia, occur in close proximity to important feeding grounds for a critically-endangered population of gray whales (<i>Eschrichtius robustus</i>). To determine whether observed displacement responses and other behavioral changes of ensoufied whales could impact energy intake, data on the total amount of energy available to foraging whales from their prey resources is required; however, little energy content information is available for the benthic prey communities of gray whales in this region. In this study, we describe the energy density (ED), biomass, and total energy availability (ED x biomass) of benthic prey sampled from two gray whale foraging areas adjacent to Sakhalin Island: the nearshore and offshore feeding areas. The results of this study will be used to inform bioenergetics models of seismic survey impacts on the vital rates of mature females, and how this could limit the overall population growth of western gray whales. Type: published paper - work in progress (submitted and currently in the review process)</p> <p>Project 2: Title: Determining the energy value of deep-sea forage fishes to apex marine predators. Collaborators: Daniel P. Costa (Institute of Marine Sciences, University of California, Santa Cruz, CA, 95060, USA). Changes in behavior are the first response by animals to disturbance and environmental change, enabling individuals to mitigate the impacts of new stressors, thereby promoting the resilience of populations. However, these behavioral changes can be maladaptive if they sufficiently interfere with other important behaviors such as foraging. Determining when individual behavioral changes are sufficiently maladaptive to impact populations is of increasing interest to agencies with mandates of species protection and management. Bioenergetics models can be used to make predictions about species resilience in a changing world, however, the energy value of prey is the critical, missing component of these models for apex marine predators. I am requesting support for quantification of the energy value of deep-sea forage fishes, which are well-recognized as an important food resource for marine mammals, sea turtles, billfishes, tunas, and other deep-diving, large-bodied animals. This project is part of a massive effort by multiple scientific, academic, governmental and industrial groups to understand how human use of the oceans is impacting populations of large animals such as marine mammals, seabirds and sea turtles. Most of the work focuses on collecting basic biological, ecological and physiological information on cryptic species in order to inform statistical models predicting how different populations will fare in the face of acute disturbances such as ensoufication (military, oil and gas, etc.) as well as more long-term environmental "regime" changes such as those predicted to occur as a result of global climate</p>

	Jennifer Maresh (continued)	Biology	<p>Project 3: Title: Determining the energy value of kelp crabs to sea otters in a resource-limited environment. Collaborators: Chris J. Law (Division of Science, Harvard University, Cambridge, MA 10024), Rita S. Mehta (Institute of Marine Sciences, University of California, Santa Cruz, CA, 95060, USA). Southern sea otter populations were recently on the brink of extinction due to overharvesting for their fur, and have been slow to recover since protections were established a few decades ago. The slow recovery of this textbook keystone species within the kelp forest ecosystems off the Pacific west coast has been a mystery to conservation biologists until very recently, when it was confirmed that their environment is, for them, resource limited. This project is a small but important part of a larger effort to understand the ecological mechanisms underlying resource limitation for this species, specifically in regards to how sea otters acquire energy from their environment. Type: published papers - I have a student working on the wet lab data generation here and the eventual manuscript prep will be done by my collaborators.</p> <p>Project 4: When the wolf's away the coyotes will play: detecting the rise of mesopredators following the extirpation of apex predators. Collaborators: TBD -- this is a brand new project.</p> <p>3. The large-scale decline of many species worldwide due to human activity is increasingly referred to as Earth's sixth mass extinction event. Ongoing extirpation of apex predators in particular has had destabilizing effects on a wide range of ecosystems as smaller, middle-ranked predators are released from top-down control and their populations increase dramatically -- an ecological phenomenon known as "mesopredator release". Mesopredator outbreaks are associated with high ecological, economic and social costs, thus, studies focus on documenting changes in population sizes and the completely altered wildlife communities that oftentimes result. However, very little is understood about the eco-evolutionary effects on the mesopredators themselves following release from top-down control. My project seeks to study these effects by comparing the modern-day loss of ecologically-dominant species with similar events of the deep past. I, along with a team of undergraduate students working in my lab, will explore those effects using a novel approach that integrates animal morphology, ecology, physiology and evolution to document the current rise of mesopredators following the loss of apex predators, and we look to previous mass extinction events to inform this study. Type: This is an entirely new research program, no papers are anywhere near in the works yet, but it is expected to generate many smaller projects and resulting published papers.</p> <p>Project 5: Title: Moving into Living Spaces, Not Landfills: WCU Move-out Day Reuse &amp; Recycling Initiative. Collaborators: numerous members of the WCU community, including faculty (e.g., members of the Sustainability Advisory Council); staff (e.g., Facilities, Grounds, and student housing groups such as the Office of Residence Life and Housing Services and the WCU Foundation); student groups (e.g., SUBSAC, Pack It Up Pass It On, Residence Advisers); and other support groups (e.g., WCU Sustainability Office). This project was an initiative to reduce the amount of "waste" removed from the WCU campus during Move-Out day by providing students alternative disposal options for their furniture and other household items. Funding from the Campus Sustainability Research and Creative Activity Grant was used to purchase supplies and rent containers for the storage of furniture and other household items suitable for resale to incoming students. Data were collected to determine the volume of materials diverted from WCU dumpsters; the amount of money saved by reducing the number of waste containers removed from campus by vendors; and student attitudes regarding reselling and purchasing of second-hand items at reduced costs. These data will be used in support of efforts to understand the long-term viability of this and similar campus initiatives. The benefits of a successful initiative would be two-fold: it would bring WCU closer towards its Climate Action Plan's Zero Waste goals while simultaneously providing a service to incoming students with financial need. Type: report and work in progress.</p>
7	Jessica Schedlbauer	Biology	<p>PROJECT 1: The influence of edge effects on soil carbon storage and CO<sub>2</sub> efflux in temperate deciduous forest of southeastern Pennsylvania. Collaborators: Jason Miller and Jessica L. Schedlbauer, Dept. Biology, WCU. Fragmented forest ecosystems throughout eastern North America have significant "edge areas" that are exposed to microclimatic environments different from that found in the forest interior. This project seeks to quantify changes in soil carbon cycling and storage at forest edges in southeastern PA and make predictions about potential positive feedbacks to climate change. Research in progress (Master's thesis).</p> <p>PROJECT 2: Current and future carbon storage capacity in a southeastern Pennsylvania forest. Jessica L. Schedlbauer and Sarah Polohovich, Dept. Biology WCU. This study quantified aboveground carbon accumulation and storage in southeastern Pennsylvania forest fragment, while assessing whether carbon storage capacity will be supported in the future; There is a manuscript based on this work currently in review at a journal.</p> <p>PROJECT 3: Plant physiological changes along an encroachment gradient: an assessment of US Mid-Atlantic serpentine barrens. Nicole A. Havrilchak and Jessica L. Schedlbauer, Dept. Biology, WCU. This project sought to understand both environmental and physiological dynamics of encroachment along an irradiance gradient in globally rare serpentine barren ecosystems. Published journal article in the International Journal of Plant Ecology</p> <p>PROJECT 4: Intensified inundation shifts a freshwater wetland from a CO<sub>2</sub> sink to a source. Junbin Zhao<sup>1,2</sup>   Sparkle L. Malone<sup>1</sup>   Steven F. Oberbauer<sup>1</sup>   Paulo C. Olivás<sup>1,3</sup>   Jessica L. Schedlbauer<sup>1,4</sup>   Christina L. Staudhammer<sup>5</sup>   Gregory Starr<sup>5</sup>. 1 Department of Biological Sciences and Southeast Environmental Research Center, Florida International University, Miami, Florida; 2 Division of Environment and Natural Resources, Department of Terrestrial Ecology, Norwegian Institute of Bioeconomy Research, Ås, Norway 3GIS&amp;ERS Center, Florida International University, Miami, Florida; 4 Department of Biology, West Chester University, West Chester, Pennsylvania 5Department of Biological Sciences, University of Alabama, Tuscaloosa, Alabama; We analyzed 10 years of eddy covariance data collected in the Florida Everglades to quantify the effect of changing inundation regimes on CO<sub>2</sub> exchange in these extensive wetlands. Evidence indicates that intensive inundation will increase the CO<sub>2</sub> source strength of these wetlands, thereby serving as a positive feedback to climate change. Published journal article in Global Change Biology</p> <p>JM Pisciotto coauthored the following published research paper: Electrotrophic activity and electrosynthetic acetate production by <i>Desulfobacterium autotrophicum</i> strain HRM2. (Bioelectrochemistry. Oct;123:150-155) Coauthors: Zaybak Z (Morphotek Co) and B. Logan (Penn State, Civil &amp; Environmental Eng. Dept)</p> <p>This research study identified a microorganism capable of converting CO<sub>2</sub> into acetate using electrical energy.</p> <p>During Spring 2019, Pisciotto lab installed a novel "Solar-powered mini-split HVAC system for Campus Sustainability" at the new WCU Office of Sustainability at 114 Rosedale Ave. This was funded by a \$10,000 research &amp; education grant by PepsiCo. This innovative device uses the fan of the HVAC to draw heat away from the solar panels. The cooler the panels the more power they can generate. In winter that heat removed will be transferred indoors helping to economically heat the Sustainability Office. It also will enable the heat removal to work more efficiently at lower minimum outside temperatures during daylight hours.</p>
8	John Pisciotto	Biology	<p>Assessing the impact of age- vs. size-based harvest regulations on the sustainability of the American ginseng trade. Collaborator: Dr James B McGraw, West Virginia University. Attempting to develop ginseng harvest protocol that is conservation-minded and that increases sustainability of the international ginseng trade. Research in progress.</p>
9	J Chandler	Biology	
10	Kurt Kolasinski	Chemistry	<p>1) NSF Research Grant: Regenerative Electroless Etching</p> <p>Novel pathways to nanostructured semiconductors that are suitable for applications in energy systems, water filtration/purification, and drug delivery.</p> <p>Published papers include:</p> <p>[1]K. W. Kolasinski, B. A. Unger, A. T. Ernst, M. Aindow, Crystallographically Determined Etching and Its Relevance to the Metal-Assisted Catalytic Etching (MACE) of Silicon Powders, <i>Frontiers in Chemistry</i> 2019, 6, 651.</p> <p>[2]K. W. Kolasinski, J. Salonen, E. Mäkitiälä, Regenerative Electroless Etching, Patent Application No. 2019/0169766 A1 (2019).</p> <p>[3]K. W. Kolasinski, B. A. Unger, H. Yu, A. T. Ernst, M. Aindow, E. Mäkitiälä, J. Salonen, Hierarchical Porous Silicon and Porous Silicon Nanowires Produced with Regenerative Electroless Etching (ReEtching) and Metal Assisted Catalytic Etching (MACE), <i>ECS Trans.</i> 2018, 86, 65-70.</p> <p>[4]E. Mäkitiälä, A.-M. Anton Willmore, H. Yu, M. Irri, M. Aindow, T. Teesalu, L. T. Canham, K. W. Kolasinski, J. Salonen, Hierarchical Nanostructuring of Porous Silicon with Electrochemical and Regenerative Electroless Etching, <i>ACS Nano</i> 2019, DOI: 10.1021/acsnano.9b05740.</p> <p>[5]A. T. Ernst, K. W. Kolasinski, B. A. Unger, M. Aindow, Effect of Metal-Assisted Catalytic Etching (MACE) on Single-Crystal Si Wafers With Faceted Macropores, <i>Microsc. Microanal.</i> 2019, 25, 2124-2125.</p> <p>Affiliations include Department of Materials Science and Engineering, University of Connecticut; Department of Physics, Turku University (Finland); Department of Applied Physics, University of Eastern Finland; Laboratory for Cancer Biology, University of Tartu, Tartu, Estonia</p> <p>2) Textbook that addresses numerous aspects of sustainability.</p>
11	Julia Waddell	Communication and Media	<p>Project Title: Are Thoughts and Prayers Enough? Understanding User Perception of Public Tragedy Communication. Collaborators: Julia Crouse Waddell, WCU; Rebecca A. Hayes, Illinois State University. URF-funded Grant Project. The research addresses the organizational response to public tragedies, using a proposed theoretical framework to gauge user responses and organizational trust, credibility, and reputation. These variables are critical to public relations professionals. Properly handled, tragedies could generate positive outcomes for organizations and relationships with publics within the industry, and proper understanding of them could generate new theoretical connections and scholarship within the academy.</p>

12	Maxine Gesualdi	Communication and Media	<p>TITLE: Uber, Amazon and Walmart: Managing Ethical Organizational Accountability When Employee Experience Differs from External Reputation (addresses goal #8 - Decent Work)</p> <p>COLLABORATORS: Susannah McMonagle (first author-Eastern University)</p> <p>BRIEF DESCRIPTION: This article explores issues of accountability that organizational stakeholders face when a gap exists between employee organizational identity (internal) and reputation (external). Although these responsibilities are intertwined, what is less clear is how identity and reputation interact when internal stakeholders have a dissimilar experience than the external reputation would suggest. Using a stakeholder view of corporate responsibility and reputation, this research examines the repercussions and issues of accountability created when internal identity does not match external reputation. Illustrative case studies, including Amazon, Uber, and Walmart, utilized in this paper, suggest that organizations consistently prioritize managing their external reputation over rectifying internal issues that harm employees. While each of these companies responded differently in times of crisis or amid employee dissatisfaction, their cumulative effect on corporate culture, (mis)treatment of employees, and employee working environments has a substantial impact on how reputation and employee identification are prioritized and to whom organizations feel accountable.</p>
13	Kathryn Alessandria	Counselor Education	<p>UN Sustainable Development Goal target: Good Health and Well-being</p> <p>Project: Animal Assisted Intervention for Counselors in Training: Exposure and Introduction to an AAI Program during High Stakes Testing</p> <p>Collaborator: Nicole Rudderow, M.S. recent alumnus of WCU</p> <p>Description: Animal Assisted Interventions (AAI) are growing in popularity and practice. This is evident in the increase in conference programs and literature on this topic, including ACAE™s endorsement of Competencies for Animal Assisted Therapy (Stewart, Chang, Parker, &amp; Grubbs, 2016), and the Higher Education Mental Health Alliance™s forthcoming guide on Emotional Support Animals on Campus. AAI has many applications, two of the most common of college campuses are therapeutic outreach or as part of individual therapy. AAI has grown in popularity for its low cost, and its ability to reach a large number of people while requiring few resources. Research indicates that elevated perceived stress prior to high stakes tests is associated with lower predicted grades, feelings of being less prepared for exams, and a negative view of courses completed (Austin, Saklofske, &amp; Mastoras 2010). Homesickness and friendsickness, sleep deprivation, feelings of being overwhelmed, depression and anxiety are prominent concerns in college counseling centers for stress-induced students (Adams, Sharkin, &amp; Bottinelli, 2017). Too much of these negative feelings can influence test performance. Studies have demonstrated a reduction in stress levels associated with participant interactions with therapy dogs in clinical settings (Allen, Shykoff, &amp; Izzo, 2001; Cole, Gawlinski, Steers, &amp; Kotlerman, 2007; Stewart, Dispenza, Parker, Chang, &amp; Cunnie, 2014; Hoffmann, Lee, Wertenaue, Ricken, Jansen, Gallinat, &amp; Lang, 2009; Henry, &amp; Crowley, 2015). Animals, primarily therapy dogs, have been used on college campuses to address stress, loneliness, and anxiety, often through outreach programs on campus (Gladding, 2016). Research on such interventions suggests that interacting with a therapy animal can lower anxiety and loneliness and that these types of outreach programs can be a way to assist students on campus whose needs may not warrant ongoing counseling, but could benefit from programs aimed at reducing stress and anxiety. West Chester University often brings dogs to campus during high stress periods, such as final exams. Unfortunately, these programs occur on the main campus and our graduate students attend classes at a satellite campus and do not have the opportunity to take advantage of these programs. Thus, our graduate students are an underserved population. My dog recently became a certified therapy dog. My intention was to develop programs to bring her to our satellite campus, the Graduate Center, to offer the AAI benefits to our graduate students while simultaneously introducing them to AAI. In the Fall of 2018 I developed a wellness program for counselors in training (CITs) taking their comprehensive exam, a high stakes test and graduation requirement. For 45 minutes prior to the CPCE Comprehensive exam my therapy dog was available for student interaction, along with mindfulness coloring pages and coloring supplies, a Worry Jar, meditation balls, and snacks. Students were able to interact with the dog, each other and me in a positive and low stress environment. Informal conversations with the eleven students (out of 15 taking the test) who came to the wellness room indicated that the major draw was the dog and that she helped them feel calm prior to the exam. Therefore we plan to repeat this program for the Spring 2019 administration and conduct a formal program evaluation. The purpose of this program is twofold: 1. to ease student stress and anxiety prior to taking their comprehensive exam, a high stakes test; 2. to introduce CITs to the benefits of AAI and an example of AAI outreach through this program. While the students interact with the dog, they learn about how the dog came to be certified, proper ways to interact with a therapy dog, and I am able to informally teach them about the benefits of AAI and its forms. I (Principal Investigator) recently developed a course on AAI that will soon be offered. Hopefully this intervention will pique student interest in learning more about AAI. Type of project:</p> <p>Grugan, Shannon T. 2019. Companion animal cruelty and the media: A content analysis of print media presentation of cases. <i>Society &amp; Animals</i>, 27(1): 92-108.</p> <p>This might be a stretch, but I think could qualify as the "Life on Land" UN criterion as an issue of animal rights/animal welfare. This study is a qualitative content analysis of the role the media plays in disseminating information about cruelty committed against companion animals (i.e., pets). It was printed in the journal <i>Society and Animals</i> this year.</p> <p>Grugan, Shannon T. 2018. The companions we keep: A situational analysis and proposed typology of companion animal cruelty offenses. <i>Deviant Behavior</i>, 39(6): 790-806. DOI:10.1080/01639625.2017.1335513</p> <p>Again, maybe a stretch, but this is another study related to animal welfare in which I attempt to create a classification scheme which is common in criminology, but has not yet been accomplished for incidents of companion animal abuse. It was published in the journal <i>Deviant Behavior</i> in 2018.</p> <p>Tucker, Jane M., Mary P. Brewster, Shannon T. Grugan, Lisa Miller, and Sadeiah Mapp-Matthews. 2019. Attitudes in the workplace: Exploring criminal justice students' attitudes toward LGBT individuals and police officers. <i>Journal of Criminal Justice Education</i>, 30(2). DOI: 10.1080/10511253.2018.1456555</p> <p>Related to the Gender Equality UN goal, this paper was a collaboration between me, two of my faculty colleagues in the CJ department, and two of our graduate students. The paper was a quantitative analysis of future CJ professionals' views on the LGBTQ community and LGBTQ police officers. This study was published in <i>The Journal of Criminal Justice Education</i> in 2019.</p> <p>Grugan, Shannon. (forthcoming). <i>Environmental Offending: The Realities of Environmental Harm and Environmental Crime</i>. Carolina Academic Press. Durham, NC.</p> <p>The purpose of this forthcoming book is to introduce the reader to the complex and interdisciplinary nature of environmental offending by presenting a complete and holistic examination of the realities of environmental harm and environmental crime in the United States and internationally. Many existing titles focus on one sector of environmental offending, such as focusing solely on justice system responses or solely on the harm of environmental crime. This work will present students with information on the consequences of harming the natural world for humanity, the influence of environmentalism and the environmental movement on creation of environmental policy and law, the criminal justice system and other governmental bodies' responses to violation of environmental law, and the way forward in regard to the future and environmental offending. Sustainability as an alternative to environmentalism.</p>
14	Shannon Grugan	Criminal Justice	<p>Grugan, Shannon T. 2019. Companion animal cruelty and the media: A content analysis of print media presentation of cases. <i>Society &amp; Animals</i>, 27(1): 92-108.</p> <p>This might be a stretch, but I think could qualify as the "Life on Land" UN criterion as an issue of animal rights/animal welfare. This study is a qualitative content analysis of the role the media plays in disseminating information about cruelty committed against companion animals (i.e., pets). It was printed in the journal <i>Society and Animals</i> this year.</p> <p>Grugan, Shannon T. 2018. The companions we keep: A situational analysis and proposed typology of companion animal cruelty offenses. <i>Deviant Behavior</i>, 39(6): 790-806. DOI:10.1080/01639625.2017.1335513</p> <p>Again, maybe a stretch, but this is another study related to animal welfare in which I attempt to create a classification scheme which is common in criminology, but has not yet been accomplished for incidents of companion animal abuse. It was published in the journal <i>Deviant Behavior</i> in 2018.</p> <p>Tucker, Jane M., Mary P. Brewster, Shannon T. Grugan, Lisa Miller, and Sadeiah Mapp-Matthews. 2019. Attitudes in the workplace: Exploring criminal justice students' attitudes toward LGBT individuals and police officers. <i>Journal of Criminal Justice Education</i>, 30(2). DOI: 10.1080/10511253.2018.1456555</p> <p>Related to the Gender Equality UN goal, this paper was a collaboration between me, two of my faculty colleagues in the CJ department, and two of our graduate students. The paper was a quantitative analysis of future CJ professionals' views on the LGBTQ community and LGBTQ police officers. This study was published in <i>The Journal of Criminal Justice Education</i> in 2019.</p> <p>Grugan, Shannon. (forthcoming). <i>Environmental Offending: The Realities of Environmental Harm and Environmental Crime</i>. Carolina Academic Press. Durham, NC.</p> <p>The purpose of this forthcoming book is to introduce the reader to the complex and interdisciplinary nature of environmental offending by presenting a complete and holistic examination of the realities of environmental harm and environmental crime in the United States and internationally. Many existing titles focus on one sector of environmental offending, such as focusing solely on justice system responses or solely on the harm of environmental crime. This work will present students with information on the consequences of harming the natural world for humanity, the influence of environmentalism and the environmental movement on creation of environmental policy and law, the criminal justice system and other governmental bodies' responses to violation of environmental law, and the way forward in regard to the future and environmental offending. Sustainability as an alternative to environmentalism.</p>
15	Vishal Shah	CSM Dean's Office	<p>Research in our lab focuses on investigating the role of microorganisms in soil in releasing NOx into the atmosphere; studying the impact of climate change on soil microbial community &amp; understand the impact of engineered nanoparticles on soil microbial community.</p>
16	Paul Sylvester	Early and Middle Grades Education	<ol style="list-style-type: none"> <li>1. Curriculum inquiry group</li> <li>2. Action research with student teacher volunteers (as collaboration)</li> <li>3. Collaboration to plan lessons that do not follow the "I do, we do, you do, we do" lesson planning format.</li> <li>4. Conference presentations and an article in submission.</li> </ol>
17	Tim Lutz	Earth and Space Sciences	<p>Lutz, T., 2018, A healthy mind on a healthy planet: Making the connection between systems thinking and earths systems: presented at the annual meeting of the Geological Society of America, November 2018. Submitted to the session, "Landscapes in the Anthropocene"</p> <p>Lutz, T. &amp; Cote, R., Turning uncertainty into action: The case for probability-based scenarios of flood futures: accepted for the annual meeting of the American Geophysical Union, December 2019. Work on this project begun in Spring 2019. Robert Cote is a WCU undergraduate.</p>

18	YongHoon Kim	Earth and Space Sciences	<p>Project title: Application of a Numerical Model to Evaluate the Impact of Future Sea-level Change in Coastal Inundation</p> <p>Collaborators: Prof. Daria Nikitina in Earth and Space Sciences department &amp; Prof. Heather Wholey in Anthropology and Sociology department</p> <p>Project description: The study area includes long extension of coastal low-lying lands by the Delaware River, including Philadelphia city as well as Chester and Delaware counties, which is under the risk of coastal inundation when hurricanes hit the mid-Atlantic regions. The SLOSH (Sea, Lake and Overland Surges from Hurricanes) model, initially developed by the National Weather Service (NWS), was implemented to the study area to evaluate the probability of inundation due to combined effect of Hurricane storm surge and the climate change and subsequent sea-level rise. The simulation results show that the low land areas around Chester, Philadelphia airport and Philadelphia Naval business area could be inundated even under category 3 hurricanes if we have a sea-level rise of 2.23 ft above the present level at year 2050 (based on IPCC 5th Assessment Report). With category 5 hurricanes, some residential areas in southwestern Philadelphia and oil storage tanks fields along Schuylkill river could also be under influence. This study shows high risk of inundation in lowland coastal areas in eastern Pennsylvania during severe Hurricanes when we have sea level rise near future.</p>
19	Drew Anderson	Earth and Space Sciences	Created sustainability campus walking tour for classes using Metaverse...an Augmented Reality app.
20	Daria Nikitina	Earth and Space Sciences	Impact of sea level rise, coastal erosion, flooding, salt marsh inundation, salt water intrusion. Delaware Geological Survey, University of Delaware, Rutgers University, Nanyang Technical University, Singapore, Temple University, NJ Department of Environmental Protection, Academy of Natural Sciences at Drexel University. National Geographic Explorer Grant
21	Matthew McMahon	Economics and Finance	<p>"Green Markets: An Experimental Analysis of Technology and Policy" with Nicholas Busko (Salisbury University) " Working Academic Paper/Work in Progress " Description:</p> <p>This paper compares the effects of technology innovation and pricing policy in green markets on the provision of the public good. We extend the standard model of impure public goods to draw a distinction between green goods and green services, which are both subsets of impure goods. The motivating example of a green good with a price policy is a consumer installing a subsidized solar panel on her roof, while that of a green service is a consumer paying a surcharge for green electricity generated by her utility company. Experimentally, subjects face several sequential allocation decisions designed to mirror the underlying impure goods model. We find that increases in the technology of the impure good increase the public characteristic, as do increases in its subsidy and decreases in its surcharge. Equivalent technology and subsidy increases have identical effects, as do equivalent green good and green service markets (when the underlying technology is the same). In line with the previous literature, theoretically irrelevant impure goods actually decrease overall public provision. The added opacity of green markets also leads to greater efficiency loss in public provision than in private consumption. Market efficiency decreases as technology improves or as equivalent policy changes are made. Efficiency is significantly higher for individuals who indicate higher cognitive effort. These results taken together suggest a large toolbox is available to policymakers and that these tools can be complementary.</p> <p>"Racial Bias in the NFL: Evidence from Penalty and Challenge Data" with Sarah Quintanar (Midwestern State University) Working Academic Paper/Work in Progress Description: We use a unique detailed dataset from the National Football League's (NFL) 2017 regular season to study whether the league's instant replay review system eliminates racial biases made in on-field calls. Previous empirical literature broadly shows that individuals are more prone to making reactions that are subconsciously (racially, in this case) biased when facing instantaneous decisions that when taking time to process information more carefully. For example, police officers are often forced to make split-second judgment calls in stressful criminal situations, while judges often have more time to review the full set of details before coming to a decision. Within the labor market, job performance in various fields may be subject to similar duality of decisions. In particular, professional sports markets offer an interesting glimpse into this because i) they are relatively unique in that they are government-sanctioned and government-regulated monopolies, thereby offering workers no outside alternatives if indeed their performance is judged along racially biased lines (that is, a black player who is discriminated against cannot simply leave and work for a competitor, because the NFL has no competitors) and ii) data for professional sports is plentiful, unlike in many other labor markets. Preliminary results are mixed regarding the efficiency of having referees' bosses use the</p>
22	Simon Condliffe	Economics and Finance	Behavioral health research to encourage increased gym usage. With Dr. Ebru Isgin, Dr. Matt Saboe, and students Todd Randolph, Joanne Dyba, Amanda Flynn and Brynne Fitzgerald. Outcomes include presentations, papers and works in progress.
23	Paul Alan Morgan	Educational Foundations and Policy Studies	<p>labor supply of registered nurses...With Dr. Charlie Link (University of Delaware). Considered factors to address the undersupply of registered nurses in the US... Outcomes include presentations and published papers.</p> <p>Grants, Presentations and Consultations:</p> <p>National Geographic Society education grant. \$150,000 for The ACEER Conservation Learning Web in the Peruvian Amazon. With Nora Bynum and Carmen Chavez. Ongoing</p> <p>Paul A. Morgan, Education for Sustainability After the Sh*t Hits the Fan, presentation at the annual meeting of the Association for Environmental Studies and Sciences (AESS). June 2019. (Orlando, FL)</p> <p>Cheryl Wanko, Aliza Richman, and Paul Morgan. "Teaching as if Sustainability Matters: Interdisciplinary, High-Impact Practices" Presentation for WCU's Teaching, Learning, and Assessment Center's (TLAC) Being Interdisciplinary Series. March 28, 2019.</p> <p>Paul A. Morgan, Sustainability, Biomimicry, and Design. Invited presenter in Professor Jon Cox's undergraduate Design course at the University of Delaware. March 25, 2019. (Newark, DE)</p> <p>Paul A. Morgan, Social Justice and Sustainability. Invited presenter for WCU's Social Justice Leadership Series. February 27, 2019.</p> <p>Paul A. Morgan and Victor Donnay, Using Sustainability to Catalyze STEM Teacher Leadership Development in EFS. Invited presentation at the Teachers Institute of Philadelphia (TIP). February 16, 2019. University of Pennsylvania, Philadelphia, PA.</p> <p>Paul A. Morgan. The UN Sustainable Development Goals. Invited presenter for WCU's Global Leadership Series. February 8, 2019</p> <p>Paul A. Morgan, What Are We Educating For? Education for Sustainability from Philadelphia to the Amazon. Invited presentation, WCU Sustainability Research and Practice Seminar. 10 October 2018.</p> <p>Paul A. Morgan. What is Education for Sustainability? Invited presentation for the Climate and Urban Systems Partnership (CUSP) workshop at the Franklin Institute. August 13, 2018. Video:</p>
24	Yanira Rodriguez	English	<p>Presentations on Social and Educational Justice and Gender Equity: Intergenerational Art-Making as Movement Healing Practice.Cultivating Change Conference. West Chester, PA. February, 2019</p> <p>Co-Creating and Organizing with Kids: Building Intergenerational Black and Brown Solidarity. National Women's Studies Association Conference. Atlanta, GA. November, 2018.</p> <p>"Living the 'Work': Being Accountable to Communities within and Beyond the Institution" Conference on Community Writing ( with Ben Kuebrich from West Chester University, Vani Kannan from Lehman College, Latoya Sawyer and Tamara Issak from St. Johns University). Philadelphia, PA. October, 2019</p> <p>Articles on Social and Educational Justice: Rodriguez, Yanira and Ben Kuebrich. The Tone it Takes: An 18-day Sit-in at Syracuse University. Unruly Rhetorics. Edited by Jonathan Alexander, Nancy Welch, and Susan Jarratt, Pittsburgh UP. Nov. 2018</p>
25	Cheryl Wanko	English	<p>Podcast guest, Yanira, "Pedagogy of Refusal: Radical Teacher, Earthworm, 2018</p> <ol style="list-style-type: none"> <li>1. "Advising for Sustainability: A Challenge." Journal of Academic Advising 1.1, 2018, 2-11. Research article that provides theory and advising practices.</li> <li>2. Two WCU campus presentations based on this article.</li> <li>3. "University Workshops Cultivating a Culture of Sustainability on Campus and Beyond." AASHE national conference, Pittsburgh PA, October 2018. Collaboration with Paul Morgan and Aliza Richman (both WCU faculty). Conference talk that provided an overview of design and outcomes of our campus faculty sustainability workshop, the Brandywine Project</li> </ol>

26	Kristin Kondrik	English	1. Animal nature would reign: Animal appetites, vegetarian bodies, and healthy societies in Victorian vegetarian periodicals. This presentation focused on archival research on vegetarian periodicals of the nineteenth century and their intersections with citizenship. Conference presentation at Research Society for Victorian Periodicals
27	Kyle Vealey	English	"Our Plastic Oceans: Learning to Tell Technical Stories about Our World's Most Complex Problems," Sustainability Research Seminar Presentation.
28	Michael Burns	English	"Our Plastic Oceans: Learning to Tell Technical Stories about Our World's Most Complex Problems." Proposal for Upcoming Edited Collection on Science Communication. Work-in-progress Burns, Michael Sterling, Randall Cream, and Timothy R. Dougherty. "Fired up: Institutional critique, lesson study, and the future of antiracist writing assessment." Writing assessment, social justice, and the advancement of opportunity: 257.  We also presented at several national conferences in support of this work.
29	Justin Rademaekers	English	Burns, Michael, Tim Dougherty, Ben Kuebrich, Yanira Rodriguez. "Soundwriting and Resistance: Toward a Pedagogy for Liberation." (2018). "Ontological Shifts in the Environmental Imagination." No collaborators. This research project is examining the idea of ontology as the ways that humans rationalize their ways of being in the world. Ecocritic Lawrence Buell describes "the environmental imagination" as a term we can use to investigate how humans rationalize their ways of being with the environment. My research theorizes that sustainability faces significant barriers to implementation as a new ontology--a new way of being in the world that runs counter to the dominant ontology of the West. The research explores whether ontological shifts are possible--moments in history where humanity collectively shifts the rationalities that guide their ways of being, and explores avenues for encouraging a new ontological shift in the contemporary environmental imagination toward a sustainability ontology. This is a work in progress.
30	Joy Fritschle	Geography and Planning	1. An Evaluation of Forest Restoration Efforts in the Brandywine Creek Watershed, Chester County, Pennsylvania 2. No collaborators 3. The purpose of the research is to evaluate the survival rates and cost-effectiveness of reforestation efforts in the Brandywine Creek Watershed. The project utilizes tree planting data in the watershed over the past 10 years to evaluate tree-planting techniques and maintenance strategies to determine the most cost-effective techniques and strategies that maximize long-term environmental benefits. The results of this project will identify strategies that lead to more successful tree planting practices and provide justification for organizations like Brandywine Conservancy to request funding support for maintenance and monitoring. 4. research grants, works in progress, conference presentations, published paper
31	Dottie Ives Dewey	Geography and Planning	Zoning for Climate Change: An Exploration of Suburban Practices  Presentation at the Planning Law and Property Rights Conference in February 2019
32	Joan M. Welch	Geography and Planning	Part of a larger research project on how suburban communities are using the local regulatory process to adapt to climate change 1. West Chester Borough Street Tree Geodatabase 2. Undergraduate students Kimberly Kutzler and Eric Chapman 3. We completed the data collection for all street trees in the Borough using the collaboratively developed ArcGIS Geodatabase and ArcGIS online collector. The Geodatabase development was a collaboration between the Borough Tree Commission, and urban forester Michael Dunn. The geodatabase was then used to calculate the ecosystem benefits provided by the West Chester Borough street trees/urban forest. 4. Research Grant/Work in progress
33	Josh Marcink	Geography and Planning	Malaga Scenario Based Development Modeling. University of Malaga, City of Malaga. The project goal was to create 3D GIS models of development areas in the city of Malaga, Spain, to show how urban growth in a smart city environment could match UN sustainability goals. The project produced an Open Data Hub for the municipality
34	Megan Heckert	Geography and Planning	1) Greening Coatesville Analysis: Working with students to assess the impacts of the Greening Coatesville initiative and to identify the characteristics of park users and the ways that they use parks in Coatesville. This is an ongoing project supported by WCU's Center for Community Solutions, the final result of which will be a report provided to The Natural Lands Trust and Brandywine Health Foundation for use in planning future park renovation
35	Bradley Flamm	Geography and Planning	Commuter Choices Program Assessment: An Analysis of WCU's Uptown Loop Shuttle Bus, RideAmigos, Zagster Bikeshare, and Rideshare Parking Spaces programs. Ms Omolola Adewale (Principal Investigator), Master of Public Health Student at West Chester University of Pennsylvania and Dr. Neha Sunger, Assistant Professor in the Environmental Health Program of the Department of Health, West Chester University. This research project utilized a series of focus group conversations with users of WCU's Uptown Loop Shuttle Bus, RideAmigos, Zagster Bikeshare, and Rideshare Parking Spaces programs to assess levels of satisfaction, benefits, and challenges of these efforts to provide WCU employees and students with commuting choices. Research conducted during the Spring and Summer 2019 semesters, with publication of a report in July of 2019 (copy available on digital commons at <a href="https://digitalcommons.wcupa.edu/srcs_csi/">https://digitalcommons.wcupa.edu/srcs_csi/</a> ) and sharing of findings with WCU's Strategic Transportation and Parking Task Force.
36	Stacie Metz	Graduate Social Work	1) Youth Mental Health First Aid (YMHA) Training in Coatesville, PA. YMHA Planning Committee Members other than myself: Dana Heiman, Senior Vice President, Brandywine Health Foundation; Jacquelyn C. Taylor, Executive Director, Planning Team Chair, The COAD Group; Amy Barcus, Supervisor, Coatesville, Human Services, Inc.; Tracy Behringer, Community Outreach, Education, Chester County Mental Health/Intellectual & Developmental Disabilities; Brad Bentman, Friendship Elementary School Principal, Coatesville Area School District; Jarvis Berry, Community Mobilizer, Coatesville Youth Initiative; Chelsea Buckley, Program Coordinator, Home of the Sparrow; Kelly Cook, Director, Residential Services, Human Services, Inc.; Colleen Cooney, Staff Development Coordinator, Child Guidance Resource Centers; Cathy Copley-Henderson, Community Liaison, Brandywine Hospital; Alyson Ferguson, MPH, Director of Grantmaking, Scattergood Behavioral Health Foundation; Ann Marie Healy, Executive Director, Philadelphia Health Partnership; Linda K. Hershey, SAP, Liaison/Prevention Specialist and YMHA coordinator, The COAD Group; Krista Kapczynski, MS/LBS, Training and Consultation, Chester County Intermediate Unit; Andrew Kind-Rubin Ph.D., VP for Clinical Services, Child Guidance Resource Centers; Stacie Metz, PhD, MSW, MPH, MA, Assistant Chair/Graduate Coordinator, Professor, Department of Graduate Social Work, West Chester University; Bridgette Miles, Ed.D., Principal, Coatesville Area School District; Jennifer Miller, Family Specialist, Reach Program/Learning Center, Chester County Intermediate Unit; Jason Palaia, Director of Special Education K-5 and Curriculum and Instruction K-5, Coatesville Area School District; Beth Quinn, Mental Health First Aid Mental Health First Aid Program Coordinator, The COAD Group; and Christopher J. White, MBA, MA, Program Director, Gaudenzia Coatesville Outpatient.  Fall 2018-Summer 2019 Activities: Produced final evaluation of 4-year grant funded YMHA training program in Coatesville, PA. Activities included data management, analysis, grant funder evaluation reports (SAMHSA and local funders), panel discussion, WCU Sponsored Research Faculty Research presentation, peer-reviewed presentation at NASW-PA, peer-reviewed presentation abstract accepted at 2019 APHA, newsletter article, and manuscript writing.  Summary of Impact: From August 2014 to June 2018, 81 trainings were held. These trainings reached 1429 people with the 96% receiving the YMHA Training Certificate of Completion from the National Council. Out of the 1429, 1386 consented to participate in the WCU evaluation. The majority of evaluation participants were female, aged 25-60, and reported their race as White/Caucasian or Black/African-American. Only 14% reported employment as a mental health or substance abuse provider. Three-quarters either worked with youth at their place of employment or had regular contact with a child or adolescent in the home. Analysis of the 4-year pretest-posttest data demonstrated statistical improvements in mental health knowledge, attitudes towards persons living with mental health challenges, and confidence in providing first aid support to youth experiencing mental health challenges or crises (p<.05). At the conclusion of the training, participants reported high satisfaction with training goal attainment, content, and instructors' skill set (~ 95% strongly agreed or agreed across all items). Ninety-eight percent reported they would recommend the YMHA training to others.

37	Tina Chiarelli-Helminiak	Graduate Social Work	<p>Completed projects:</p> <p>Tower, L., Faul, A. C., Chiarelli-Helminiak, C. M., &amp; Hodge, D. M. (2019). Status of women in social work education in the USA. <i>Affilia: Journal of Women &amp; Social Work</i>. [Advance online publication]. Research examined gender inequity among Social Work Faculty via a national electronic survey. Collaborators: Tower (West Virginia Univ), Faul (Univ of Louisville), and Hodge (Radford Univ)</p> <p>Chiarelli-Helminiak, C. M., &amp; Lewis, T. (2018). Sustainable development goal 4: When access to education is not enough. <i>Journal of Access, Retention &amp; Inclusion in Higher Education</i>, 1, 17-27. Research assessed how it is not only access but a sustained commitment to supporting URM students throughout their higher education journey that will lead to graduation. Lewis is a former WCU faculty</p> <p>Works in progress:</p> <p>Human Rights Exposure and Knowledge in social work education in collaboration with WCU faculty (Metz) and staff (McGowan).</p>
38	Debra Bill	Health	<p>Lyme Disease and Latinos in Chester County, PA: Qualitative research project with interviews with key informants of the health and human service providers working with Latinos and knowledgeable about Lyme disease in Chester County, PA. Published abstract, and conducted workshops on topic.</p>
39	Gopal Sankaran	Health	<p>Independent works completed:</p> <p>Sankaran, G. (June 2019). Leveraging Technology for Attaining Sustainability Development Goal 3: The Challenges and Opportunities. In Padmini Murthy &amp; Amy Ansehl (Eds.), <i>Technology and The Practice of Global Public Health</i>. New York: Springer. (forthcoming)</p> <p>Sankaran, G. (2019). The 2030 Sustainability Development Goals: An analysis of the transition, challenges, and opportunities. Oral presentation at the 28th Annual International Interdisciplinary Conference, organized by The Global Awareness Society International, at Marrakech, Morocco on May 25.</p>
40	Melanie Vile	Health	<p>I am an Ecosystem Ecologist who specializes in boreal Peatland Ecosystems, which are an important ecosystem service to the Earth's climate. These peatlands occupy a mere 3% of the Earth's land surface, yet store approximately 30% of soil carbon globally. With global climate change, these ecosystems are predicted to experience some of the hottest temperatures, with concerns that the vast soil carbon pool in peatlands will go back to the atmosphere, further exacerbating climate. We have researched how much carbon these peatlands are sequestering or releasing. Another threat to these ecosystems is mining of Oil Sands in northern Alberta Canada. We have been funded to look at the impact of Oil Sands mining on the health of Peatlands, which are important habitat for First Nations Peoples.</p>
41	Chiwoneso Tinago	Health	<p>Development of a Community-Based Peer Support Intervention to Mitigate Social Isolation and Stigma of Adolescent Motherhood in Harare, Zimbabwe</p> <p>Chiwoneso B. Tinago, PhD, MPH, CHES 1, Edward A. Frongillo, PhD 2, Andrea M. Warren, PhD 2, Vivian Chitiyo, MPhil 3, Ashley K. Cifarelli, MPH 1, Shannon Fyalkowski, MPH(c) 1, Victoria Pauline, MPH (c) 1, Florence Muchirahondo, MBChB, MMed Psych 4</p> <p>1 Department of Health, West Chester University of Pennsylvania, West Chester, PA, USA; 2 Department of Health Promotion, Education, and Behavior, University of South Carolina, Arnold School of Public Health, Columbia, SC, USA; 3 The Organization for Public Health Interventions and Development (OPHID), Harare, Zimbabwe; 4 University of Zimbabwe, Department of Psychiatry</p> <p>The research is funded by the Bill and Melinda Gates Grand Challenges Explorations Challenged grant to develop and test in partnership with adolescent mothers, community health workers, and key community stakeholders a community-based peer-support intervention targeting adolescent mothers aged 14-18 years in Mabvuku, Harare. The intervention leverages peer support, technology, community health workers, and involvement of key community stakeholders.</p>
42	Mary Beth Gilboy	Health	<p>Food Insecurity among College Students. Dr. Lynn Monahan, Dr. Ashlie Delshad, Ms. Jodi Roth-Saks. At the time collaborators were all affiliated with WCU. We analyzed data from a survey of WCU students on food insecurity. We submitted a manuscript to a peer reviewed journal in August 2019</p>
43	Charles Hardy	History	<p>Journey to Sanctuary: The Philadelphia Story of Faith and Transformation in the Second Great Migration of African-Americans from the South, Lincoln University. NEH-funded public history project, 2018-2019</p> <p>Historical consultant, Philadelphia City Archives, lobby and research room mural arts project, Talia Greene, a new mural on the history of black Philadelphia, residential segregation and housing discrimination. Reviewed and edited text for mural hotspots. April-October, 2018</p>
44	Dr. Karin Volkwein-Caplan	Kinesiology	<p>"Sustainability and Sport" presentation(s) with Dr. Selen Razon/Kinesiology and Dr. Jasmin Tahmaseb McConatha/Psychology at the International conferences:</p> <ul style="list-style-type: none"> <li>IAPESGW in Madrid in July 2019</li> <li>Sport and Society conference in Toronto, Canada, in October 2018</li> </ul> <p>Modern sport and fitness events and their associated venues, whether natural or man-made, impose significant impact on the environment. This was assessed looking at various sport (ie. soccer) and fitness activities (ie. running) and possible solutions. how to reduce the ecological footprint of sport and associated events were addressed.</p>
45	Dr. Steve Portman	Literacy	<p>Reflective Journaling: A Portal into the Virtues of Daily Writing. I am the sole researcher. The paper dealt with the use of journaling in the classroom in order to create strong empathic relationships among and between students and professor. Social justice, critical theory, restorative practices all fall under the purview of this research. My project was accepted on September 15th, 2019, for publication as an article in the peer-reviewed journal, <i>The Reading Teacher</i>, a publication of the International Literacy Association.</p>

46	Kathleen Riley	Literacy	<p>Riley, K. &amp; Soslau, E. (July 2019-August 2021). From theory to practice: Critical service-learning in urban elementary and middle school classrooms. Spencer Foundation, Small Research Grants Program. (\$49,614)</p> <p>The current political climate is characterized by damaging discourses about immigrants and communities of color, growing mainstream dialogue about systemic injustices, and an uptick in youth civic engagement and activism. Within this context, Dr. Riley and Dr. Soslau are exploring what happens when activism is the aim of teaching and learning in public elementary and middle grades classrooms, specifically in schools that serve students who have been marginalized based on race, income, geography, and language. While social justice-oriented teaching practices are well theorized, there is a need for research that depicts authentic practices in situ. The researchers use qualitative methods to document teaching and learning in classrooms from four geographic regions within an urban school district. Teacher-participants use an asset-based critical service-learning framework, which amplifies and values student voice and systematically engages students in a yearlong process of identifying a social issue; unearthing and exploring root causes and effects; and collaboratively planning and taking action to address one of the root causes by drawing on community resources. The study will provide examples of what student-led socially conscious activism looks like when seamlessly integrated into mainstream elementary and middle school classrooms.</p> <p>Riley, K. &amp; Solic, K. (July 1, 2019-December 31, 2019). Partnering with Teachers for a Practice-Immersive Literacy Methods Experience. West Chester University Committee for Excellence in Learning and Teaching Professional Development Fund. (\$2,000).</p> <p>Dr. Solic and I are currently teaching literacy methods courses within the context of a school and community. This grant supports collaboration with two elementary teachers at Anderson Elementary School in Philadelphia, allowing us to teach culturally relevant literacy education strategies alongside practicing teachers in an urban context.</p> <p>Riley, K. &amp; Solic, K. (August 26, 2019-May 8, 2020) Centering Community Wisdom: Pre-Service Teachers Learning from Community Mentors. West Chester University Forum Grant Program. (\$4,755).</p> <p>A team of four WCU faculty in different departments in the CESW are teaching a semester of integrated course work (5 courses across 3 departments) in a community and school context with the explicit goal of supporting the development of community teachers who look to the wisdom of communities in order to teach. This program aims to support students in taking a strengths-based, rather than deficit-based, approach to the working class community.</p>
47	Lisa Calvano	Management	<p>Quality Education SDG</p> <p>Academic Paper:</p> <ol style="list-style-type: none"> <li>1. Wang, L. &amp; Calvano, L. (2018) Understanding how service learning pedagogy impacts student learning objectives. Journal of Education for Business, 93(5), 204-212. In this research project, Liz Wang (WCU Marketing Department) and I found that using service learning in the classroom improves students' academic knowledge and career development as well fosters as personal growth and civic responsibility.</li> </ol> <p>Conference Presentations:</p> <ol style="list-style-type: none"> <li>1. Hall, K. &amp; Calvano, L. (2019) Intentional design, delivery, and assessment of business ethics courses. Academy of Management Teaching and Learning Conference, Boston, MA, August 11.</li> <li>2. Hall, K. &amp; Calvano, L. (2019). Teaching business ethics intentionally: Understanding the relationship between course design and the development of student moral thinking. Eastern Academy of Management 2019 Annual Meeting, Wilmington, DE, May 8-11.</li> </ol> <p>In these two related project, Kate Hall (Roger Willians University) and I study the relationship between course design and the development of moral and ethical thinking among business students.</p> <ol style="list-style-type: none"> <li>3. Wang, L., Calvano, L. &amp; Capitano, J. (2019). Relationships among class size, student behaviors in the classroom and educational outcomes in higher education. Canada International Conference on Education. Missisagua, Canada, June 24-27.</li> </ol> <p>In the research presentation, Liz Wang (WCU Marketing Department), Johnna Capitano (WCU Management Department) and I reported on a study we conducted to examine whether class size impact students learning outcomes and student satisfaction.</p> <ol style="list-style-type: none"> <li>4. Bohrman, C., Calvano, L., Cohen, M., Jones, K. &amp; Morgan, B. (2019). Creating a supportive learning community for adult learners. Scholarship of Teaching, Learning and Assessment Conference, West Chester University, January 18</li> </ol> <p>This conference presentation is a collaboration among WCU faculty (Casey Bohrman, Grad Social Work) and staff (Marcie Cohen and Ben Morgan from Philadelphia campus and Kenneth Jones from the Admissions Office) to discuss how we equitably address the needs of adult learners on our campus.</p>
48	Matthew Shea	Management	<p>Shea, M. (Under Review). ESG Risks Assessments and Non-Life Insurance: Findings not included in the UN Environment's underwriting guide. Journal of Insurance Issues</p> <p>I was the lead researcher for this 2019 United Nation's publication: United Nations Environment Programme Finance Initiative. (2019). Underwriting Environmental, Social and Governance Risks in Non-Life Insurance Business: The first ESG guide for the global insurance industry. Retrieved from Geneva Switzerland: <a href="https://www.unepfi.org/psi/wp-content/uploads/2019/05/Underwriting-environmental-social-and-governance-risks-in-non-life-insurance.pdf">https://www.unepfi.org/psi/wp-content/uploads/2019/05/Underwriting-environmental-social-and-governance-risks-in-non-life-insurance.pdf</a></p> <p>Shea, M. and J. W. Hutchin. (2018). The Importance of Environmental, Social, and Governance Risks to Surety Underwriters. Asia-Pacific Journal of Risk and Insurance, 12:2. DOI: 10.1515/apjri-2017-0016</p> <p>Shea, M., J. W. Hutchin. (2018). The 4th Factor: Underwriting for sustainable development. UN Environment's Principles for Sustainable Insurance Initiative, PSI Working Paper July 2018. <a href="https://www.unepfi.org/psi/the-4th-factor-underwriting-for-sustainable-development-in-surety-hands/">https://www.unepfi.org/psi/the-4th-factor-underwriting-for-sustainable-development-in-surety-hands/</a></p>
49	Linda Zhu	Management	<p>Ting Zhang, Tsan-Ming Choi, and Xiaowei Zhu. Optimal green product's pricing and level of sustainability in supply chains: effects of information and coordination. Annals of Operations Research, 2018, 1-26. Abstract: Nowadays, achieving sustainable development goals is critically important. With the proper use of information, supply chain management can significantly help enhance sustainability. In this paper, we analytically study a supply chain model where a manufacturer produces a green product and sells it to the end consumers through a retailer. We formulate the analytical model as a Stackelberg game. In the game, the manufacturer is the Stackelberg leader who decides the wholesale price and product sustainability level, and the retailer is the follower who reacts by setting the retail price. After deriving the Stackelberg equilibrium of the wholesale price, the product sustainability level, and the retail price in the closed form expressions, we compare these analytical results and also conduct numerical experiments to analyze the manufacturer's, the retailer's, and the whole supply chain's performances. We derive and compare the equilibrium under three business scenarios, including Decentralized Supply Chain with Non-information Sharing (Scenario N), Decentralized Supply Chain with Information Sharing (Scenario I), and Centralized Supply Chain (Scenario C). We give managerial suggestions to the manufacturer and the retailer on how to promote the green products and achieve organizational sustainability goals. We also analytically illustrate how to coordinate the channel, and highlight the crucial role played by information in the green product supply chain.</p>

50	Mark Yang	Management	<p>I was working on several papers related to sustainability mainly to publish journals with data set I collected. My research is based on the survey data collected from manufacturing companies. Here are some of the research papers I published or I have been working on:</p> <ol style="list-style-type: none"> <li>1. Supply chain integration and its impact on sustainability. Published in industrial management and data systems. 2018. With dr. Kang, dr. Park and dr. Huo. the purpose of this paper is to examine the role of supply chain integration in improving sustainability management practices (SMP) and performance. Based on data collected from 931 manufacturing firms in multiple countries and regions, we conducted a structural equation modeling analysis to test the proposed hypotheses. The findings suggest that supplier and customer integration are vital enablers for both intra- and inter-organizational SMPs. The results also reveal that both intra- and inter-organizational SMPs are significantly and positively associated with sustainability performance and function as complements to jointly enhance environmental and social performance.</li> <li>2. The role of strategic environmental orientation in environmental design practices. Under first revision from Management Decision (2019) with dr. Kang - work in progress (journal paper)</li> <li>3. Mimetic pressures, environmental management, quality management, and their impacts on a firm performance: an empirical investigation. Under first revision from Production and Planning Control (2019) with dr. Roh and dr. Budworth (York University), P. Singh (York University). Project: This quantitative study investigates factors that influence Canadian HR professionals' self-reported compliance with labor and employment law, using the reasoned action approach as a theoretical framework. Type of project: Work in progress. We aim to submit this presentation to AOM by January 2020, and submit the full manuscript to the journal Human Resource Management once we receive feedback from AOM (likely in February/March 2020).</li> </ol>
51	Susan Fiorentino	Management	<p>Presentation at regional Greater Valley Forge HR Summit conference on issues of disability discrimination.</p>
52	Shayna Frawley	Management	<p>Title: Why comply with workplace law? A qualitative investigation of human resource practitioners. Authors: S. Frawley (WCUPA), D. Doorey (York University), M.H. Budworth (York University), P. Singh (York University). Project: This qualitative investigated factors HR professionals feel influence compliance with labor and employment laws governing work, what role HR plays, and how organizational cultures influence compliance. Type of project: Presentation at AOM in summer 2019, in the HRM division.</p> <p>Title: What is HR Law? Authors: D. Doorey (York University) and S. Frawley (WCUPA). Project: This presentation looked at how the idea of 'HR Law' may decouple labor and employment legislation from workers' rights and promote. At the same time, it may spread fairness norms that would otherwise be resisted. Type of project: Presentation at the Canadian Industrial Relations Association Conference in summer 2019. We are currently working on a manuscript that will be submitted to a law journal.</p> <p>Title: Expert guide, ethical steward, HR police, or clerk of works? Workplace compliance cultures and the compliance roles of human resource practitioners. Authors: S. Frawley (WCUPA), D. Doorey (York University), M.H. Budworth (York University), P. Singh (York University). Project: This qualitative study investigated how HR professionals and compliance with labor and employment law. Specifically, it examined the different compliance roles HR professionals play, and the different compliance cultures in organizations. Type of project: Manuscript. This paper is currently under review at the Journal of Business Ethics.</p> <p>Title: Legal non-compliance and human resource professionals: A reasoned action approach. Authors: S. Frawley (WCUPA), D. Doorey (York University), M.H. Budworth (York University), P. Singh (York University). Project: This quantitative study investigates factors that influence Canadian HR professionals' self-reported compliance with labor and employment law, using the reasoned action approach as a theoretical framework. Type of project: Work in progress. We aim to submit this presentation to AOM by January 2020, and submit the full manuscript to the journal Human Resource Management once we receive feedback from AOM (likely in February/March 2020).</p> <p>Title: When (and for whom) does "sorry" cut it? An examination of how gender influences trust repair. Authors: S. Frawley (WCUPA), J. Harrison (NEOMA University), M. Bligh (Claremont Graduate University). Project: This quantitative study will investigate how trust repair may be influenced by the gender and leadership role of the transgressor. Type of project: Work in progress. We will collect data once our IRB application is approved.</p> <p>Title: Human resource practitioners and the decision to comply with US labor and employment laws. Authors: Authors: S. Frawley (WCUPA), S. Fiorentino (WCUPA), S., Tomkowicz (WCUPA), D. Doorey (York University), M.H. Budworth (York University), P. Singh (York University). Project: This quantitative project will examine factors that influence US HR professionals' compliance with labor and employment law. Type of project: Work in progress. We are</p>
53	Allison Kolpas	Mathematics	<p>Math Modeling as a Tool to Understand Mayfly Emergence in White Clay Creek and How it Might be Impacted by Climate Change. Collaborators: John Jackson, Dave Funk, and Bern Sweeney (All Stroud Water Research Center). Using math modeling as tool to predict the effects of warming stream temperatures on mayfly voltinism (number of generations per year) and synchrony in emergence. Paper under review. sabbatical research</p>
54	Julie McCulloh Nair	Nursing	<p>2016-2019. McCulloh Nair, J., &amp; Meehan, C. (co-PIs). Undergraduate Student Nurse Peer Mentorship Program. (IRB approved; Protocol ID # 20160411-2). The purpose of this mixed methods study is to examine the effectiveness of a student nurse peer mentorship program that aims to address previously identified WCU student risk factors for decreased wellness among nursing students. This study will utilized wellness surveys and a series of open-ended questions formed from the results of a previous WCU study conducted within this population.</p> <p>Meehan, C. &amp; McCulloh Nair, J. (co-PIs) (2019, July). Peer Mentoring in Undergraduate Nursing Education: An Innovative Strategy to Promote Successful Role Transition. Abstract accepted for podium presentation at the Nursing Science Conference, Los Angeles, CA and accepted for a poster presentation at the International Nursing Research Congress, Sigma Theta Tau International Honor Society of Nursing, Calgary, Canada.</p>
55	Kimberly E. Johnson	Nutrition	<p>No poverty, health and well-being, equity:</p> <ol style="list-style-type: none"> <li>1-Food Democracy, Health Disparities and NYC Trans Fat Policy-sole investigator-focuses on food democracy, policy processes and health disparities</li> <li>2-Rabbit Farming, Community Food Security: An analysis of recurring themes in media text-with Dr. Patricia Davidson, Dr. Chiwoneso Tinago in CHS- focus on low-input agriculture in Africa</li> <li>3-Food work and food insecurity in college students: with several graduate and undergraduate students at WCU: community food security, another on work influences of college student food security.</li> </ol>
56	Joan Woolfrey	Philosophy	<p>Wrote a paper on the incompatibility of the notion of contempt for modern democratic discourse. Published a book chapter on the moral worth of the feeling of ambivalence about motherhood. Relevant to Gender Equality, and Peace, Justice and Strong Institutions.</p>
57	Charles M Rupert	Philosophy	<p>Socialism is a Capitalism. Sole researcher. A planned book that develops the ideas first put forth in my award-winning essay, laying out a theoretical model of libertarian socialism. A work in progress.</p>
58	Jea Sophia Oh	Philosophy	<p>Salim, Women, and Oikos: A Planetary Expansion of Family, Lilian Dube, Sarah E. Robinson-Bertoni, Theresa Yugar eds., Valuing Lives, Healing Earth, Ecology and Justice Series (Leuven/Louvain: Peeters, 2020, forthcoming/under review). And several presentations I have done at conferences in relation to sustainability and ecological crisis</p>
59	Ashlie Delshad	Political Science	<p>1) Seeking Food Justice for College Student: Dr. Mary Beth Gilboy, WCU Dept. of Nutrition, Mrs. Jodi Roth-Saks, Jewish Relief Agency, Dr. Lynn Monahan, WCU Dept. of Nutrition (retired). We conducted a survey of WCU students to assess the prevalence of food insecurity and determine predictors of risk for food insecurity. We have an article manuscript under review that reports on our survey findings and also offers recommendations for improving policies at the campus, state, and federal levels to better address food insecurity among college students.</p> <p>2) Community Gardens: The Elixir of All Maladies. For my sabbatical in fall 2018 I conducted interviews with community gardeners in 10 cities, in 10 states across the country and conducted a national survey of community gardeners. My objectives were to understand the social, health, economic, and environmental impacts of community gardens, and to understand how local governments are supporting or thwarting the efforts of community gardens. I presented a paper on my preliminary findings at the Western Political Science Conference in April 2019. I am continuing to work on additional analysis of interviews.</p>



60 Susan Gans	Psychology	<p>My scholarly focus on sustainability is limited to the concept of human health and wellbeing. All projects are currently in progress, with plans to publish and present this work at national and international conferences once data collection and analysis is complete. The projects on which I collaborate in this regard include:</p> <ol style="list-style-type: none"> <li>1. Identifying a biomarker for trauma, with Ms. Jazmine Cooper, PsyD student. Jazmine has chosen to focus on utilizing techniques for salivary immunoassay learned in my laboratory to find out if there is a way to differentiate among different trauma categories in children. Such categories are not yet recognized by the DSM, the "bible" of diagnosis in clinical psychology. Jazmine hopes to offer a non-intrusive technique for identifying trauma categories to best intervene in the lives of at-risk children and their families. This work has resulted in several grant proposals for Jazmine (NIH NRSA, Sigma Xi, and CSM), and is a work in progress, with data collection planned for spring, 2020.</li> <li>2. BREATHE, with Drs. Geeta Shivde, Sandra Kerr, and Vipanchi Mishra. This ongoing project is utilizing me and Ms. Cooper as collaborators to assess and compare the endocrine outcomes for young adults (students) who have or have not participated in a 10-week mindfulness training program. The focus of this project is to discover the ways in which mindfulness training can foster emotional and social wellbeing. This is also a work in progress, with data collection ongoing now.</li> <li>3. Development of a personal health monitoring device: I am collaborating with Mr. Alfred Bedell, who is in the process of assessing the validity and reliability of a personal health monitoring technology that he developed and is hoping to bring to market. Mr. Bedell envisions this technology as a means of helping individuals who may be struggling with personal issues, such as opioid addiction, as they find their way to health and recovery. It will do so, in part by alerting individuals to levels of their own stress hormones, as a visual representation of a possible trigger for drug seeking. This has obvious implications for the current opioid addiction crisis, and may revolutionize trauma and stress research as well. We will be conducting reliability tests within the next month.</li> <li>4. My longstanding collaborator, Dr. Vanessa Johnson, has initiated an important project aimed at intervening in couple relationships in families with children with autism. This is a neglected area of study, given the increasing rate of autism diagnosis in our country and overseas, and the high rate of lowered mental health, accelerated aging, and conflict and divorce among couples who have children with autism. She has asked me to assess stress hormone (cortisol) levels in these couples before and after the intervention, as one means of assessing the success of the intervention. Prior work from our laboratory has indicated that cortisol response to challenge can serve as a biomarker for family functioning and success during life transitions. Data collection for this project is ongoing and will be complete by next week.</li> <li>5. My laboratory is training graduate students and research associates for Dr. Ellie Brown, who is continuing her longstanding work at Head Start programs in Philadelphia with at-risk families by looking at both cortisol and oxytocin (hormone of affiliation) changes across the day in young children who are experiencing programs with integrated arts and without. Prior work from this laboratory has revealed the salubrious effects of arts education on child mental health and wellbeing. We will be training Dr. Brown's students and colleagues to conduct their own salivary hormone assays, which will help this important project to limit costs and continue to contribute to the literature on at-risk. My research program investigates the functional significance of signal structure and communicative behavior in an effort to better understand the proximate and ultimate sources of signal diversity in communication systems. Within this broad conceptual framework, I am particularly interested in the evolution and function of complex multi-modal signals, those consisting of elements of more than one signal modality. My research examines (a) the role that the sensory specializations of signal targets play in the evolution of multi-modal signals, (b) how components of these complex signals are shaped by the environments through which they propagate (c) the impact of immediate feedback on the proximate dynamics of signaling systems and (d) the role of signal targets as mediators of the learning experiences involved in the expression of communicative behavior in both human and non-human animals.</li> </ol>
61 Aaron Rundus	Psychology	<p>Daily Poverty-Related Stress: This project, funded by Brandywine Communication Technologies focuses on the impact of poverty-related stress on children and families and is currently in progress.</p>
62 Eleanor Brown	Psychology	<p>Music Education Pathways: This project, funded by the William Penn Foundation, focuses on after school music education as a vehicle for promoting equity for children facing economic hardship and has just ended.</p> <p>Arts and Mindfulness: This project, funded by the National Endowment for the Arts, focuses on the impact of arts and mindfulness programming for reducing stress levels and promoting school readiness for children facing economic hardship.</p> <p>The following paper was published by our lab during the time period in question:</p> <p>Brown, E.D., Anderson, K., Garnett, M.L., &amp; Hill, E. (in press). Economic instability and household chaos relate to cortisol for children in poverty. <i>Journal of Family Psychology</i>. Ms. Anderson and Ms. Garnett are alums of our Psych MA program. Dr. Hill is from the University of North Carolina.</p>
63 Jasmin Tahmaseb	Psychology	<p>Research on ageism in the workplace, well-being among immigrants, building sustainable communities. Titles should be descriptive - all co-authors colleagues at WCU</p> <p>Blog - Live Long and Prosper (A Regularly published Blog with a focus on factors influencing Wellbeing and Longevity) <i>Psychology Today</i>, APA. Jasmin Tahmaseb McConatha</p> <p>Chapter with Frauke Schnell (2019, in press). "The Plight of Older Immigrant Women." In E. Cole &amp; L. Sawyer (eds.). <i>Grey and Grit: Older Women who Work</i>, American Psychological Association, Washington, DC.</p> <p>Book with Karen Volkwein-Caplan, (2018) <i>Ageing, Physical Activity, and Health (International Perspectives)</i>. New York, NY: Routledge Publishers</p> <p>Article with psychology colleagues Tahmaseb, McConatha, J., McConatha, M., &amp; Stricker, J., (2019). <i>My days in solitary confinement: The plight of older immigrant receivers</i>. <i>International Journal of Aging and Society</i>.</p>
64 Michelle Wade	Public Policy and Administration	<p>The Status of Women in Montgomery County: 2018 Report. Center for Social and Economic Policy Research, West Chester University. 2019. The Montgomery County Foundation commissioned this report. The purpose of this report was to provide a comprehensive assessment of the status of women in Montgomery County, Pennsylvania that can be used by community leaders, stakeholders, and policymakers who want to improve the well-being of women in the Montgomery County. National, state, and county level data were provided when possible to provide a basis of comparison for interpretation. This report is organized around the following topics related to the quality of women's lives: employment and earnings, work and family, poverty and opportunity, health and well-being, reproductive rights and infant health, violence and safety, political participation, and women veterans. Following the examination of these topics is a summary of the challenges women face in Montgomery County, gathered from themes that emerged in the nonprofit provider survey, focus groups, and interviews. Last, a list of recommendations is provided. <i>Commissioned Technical Report</i>.</p>
65 Mark Davis	Public Policy and Administration	<p>Individual Chapter Author. <i>International Solid Waste Management: A story of varied environmental standards, global trade, and oceans of plastics</i>. Appearing in <i>Environmental Issues Today: Choices and Challenges Volume 2: International</i>. Editor: Susan Opp; Publisher: ABC- CLIO, 2019.</p> <p>Individual Chapter Author. <i>Clearing the Air: The Clean Air Act and its Beneficial Impact on the United States</i>. Appearing in <i>Environmental Issues Today: Choices and Challenges. Volume 1: United States</i>. Editor: Susan Opp; Publisher: ABC-CLIO, 2019.</p> <p>Individual Chapter Author. <i>Talking Trash: Solid Waste Management in the United States</i> Appearing in <i>Environmental Issues Today: Choices and Challenges</i> " Volume 1: United States. Editor: Susan Opp; Publisher: ABC-CLIO, 2019.</p> <p>Individual Chapter Author. Chapter 4: Pollution Prevention appearing in <i>Performance Measurement in Local Sustainability Policy</i>. Book Co-authors: Susan Opp, Samantha Mosier, Jeffrey Osgood, and Mark Davis. Publisher: Routledge 2018.</p> <p>Individual Chapter Author. Chapter 5: Energy and Resource Conservation appearing in <i>Performance Measurement in Local Sustainability Policy</i>. Book Co-authors: Susan Opp, Samantha Mosier, Jeffrey Osgood, and Mark Davis. Publisher: Routledge, 2018.</p>

66	maria urrutia	Theater and Dance	Carnival of Ruin. Constance Case, Gretchen Studlien-Webb and maria urrutia. West Chester University. This research is being woven into creating a Theater Dance performance that uses single use plastic as part of the costuming and set design. The work is about bringing awareness to the amount of trash being generated in our area, and activate the community into action to make simple changes to reduce - reuse - refuse. This work will be performed in various locations in the Chester County area in the Spring and Summer of 2020
67	Gretchen Studlien-Webb	Theater and Dance	Carnival of Ruin (beginning planning stages) Constance Case, Gretchen Studlien-Webb, Maria Urrutia (WCU theatre and dance)  Full length installment dance/theatre performance that is designed to bring awareness to consumer waste.  We are building costumes and sets using all post-consumer materials for the creation of this performance.  During 2018 until fall 2019 we have presented workshops, written and received a PRG grant, held design meetings, and produced designs for the larger project.  Build of the project is taking place fall 2019- spring 2020  Full performance will take place in the Spring and early Summer 2020
68	Constance Case	Theater and Dance	Carnival of Ruin Associate Professors in the dpt of theatre and dance Gretchen Studlien-Webb, Maria Urrutia, Martin Dallago Production created from all post consumer waste  Public awareness and social change
69	Susan Wysor Nguema	Undergraduate Social Work	1. Reshaping White Narratives to Advance SDG #16: Promote Just, Peaceful and Inclusive Societies 2. Presented alone 3. White supremacy is at the foundation of all American institutions. It is woven into the fabric of society in a way that simultaneously feels insurmountable by those who experience it daily and no longer existent to many in the white-identifying community. In 2017, this author published a dissertation comparing individual levels of confidence of Blacks and Whites in South Africa and the United States in several public institutions before and after the fall of apartheid. The most striking finding was not that Black confidence in South Africa increased for nearly all institutions examined, but rather the drastic drop in White South African confidence, signaling a substantially negative experience with a more egalitarian restructuring of society. When analyzing the South African example, what can Americans learn to do differently in tackling the grand issue of white supremacy to promote a more just, peaceful, and inclusive society? Even more broadly, what can any society facing similar themes of supremacy do, to improve the odds of greater societal participation and feelings of belonging while decreasing fear, fascism, and loss? This presentation will introduce ideas based in transitional justice, the process through which many countries have attempted to deal with broad based conflict and oppression. Specifically, the use of circles will be discussed as an intervention with white-identifying individuals to create a safe space for exploring white identity, the existence of white supremacy, and how white narratives can be reshaped. White supremacy seems insurmountable because of its all-encompassing reach in society and the ways in which so many white-identifying individuals struggle to see its deep impacts. However, if white-identifying individuals can explore the roots of whiteness in ways that offer safety and reshape their own narratives, the larger white narrative of society may begin to shift as well. It is important to note that this presentation is focused on work with white-identifying individuals in the United States because they are the majority group and they hold racial power and privilege. Therefore, their narrative must change for the national narrative to change. While based largely on US-related issues, this presentation will offer participants tangible interventions that could be used across a wide variety of populations in need of safe spaces, healing, and transformation.
70	Claire L. Dente	Undergraduate Social Work	I am not currently conducting empirical studies, but my scholarship is focused on professional writing on these areas. I write a lot about ethics and also about inequalities, especially for diverse populations, including LGBTQIAP+ folks with disability and religion/spirituality. This area of scholarship involves making links between ethics at micro, mezzo and macro levels, and for diverse populations, it addresses inequities
71	Walt Cressler	University Libraries	The Flow of History along the Chester, Ridley, and Crum Creeks. Public histories of the natural and cultural features within three small local watersheds. Three online books published with Creative Commons licenses on Digital Commons @ WCU.  Digital Walking Trail Library. Stu Thompson and Katie Faull, Bucknell University; Whitney Katirai, West Chester University. Adding maps to the Ready, Set, Fit! digital trail walking app (developed at Bucknell) and studying its effect on promoting nature relatedness, physical fitness, and civic engagement.
72	Martha Donkor	Women's and Gender Studies	Works in progress, consist of trail maps and potential published papers and presentations "Women and Old Age Poverty in Rural Ghana". Women and Old Age Poverty in Rural Ghana is a Provost Research Grant funded project that examines poverty among predominantly illiterate rural populations in the Bono East Region of Ghana. Per UN indicators, the women I interviewed fall within the poverty index; however, the women did not see their poverty in terms of those indicators. They think that ageing (and its associated "disabilities") is the single most important factor in their understanding and experience of poverty. I'm still analyzing the interview data and hope to present my findings at a conference in 2020
73	Lisa C. Huebner	Women's and Gender Studies	Student-Parents Experiences at West Chester University: Shining a Light on an Invisible Population. Collaborator, Cheryl Neale-McFall WCU. The purpose of this study is to invite WCU student-parents to share their experiences. Both quantitative and qualitative methods will be used to collect data to inform our institution about resource allocation and institutional policy, with the overall goal of increasing student-parents rates of on-time degree completion.  Research in Progress.  Empowering Femininity. Co-writer, Dr. Bernadette Barton, Morehead State University. To challenge hegemonic gender regimes and based on two ethnographic data sets this paper theorizes several components to powerful femininity. Submitted Paper for Peer-Review  Success at a Price: Women of Color College Students. A three year ethnographic research project on the experiences of women of color college students to explain their success in college and the obstacles they face. Monograph in progress.  Bad Sex, Sexual Assault and #MeToo: The Personal is Political and What to do About It. Morehead State University, November 8, 2018. Invited Lecture