

DEAN'S SIGNIFICANT ACTIVITIES REPORT



DEPARTMENT: Department of English and Philosophy

POC Name: CPT Steven Modugno

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DATE: 14 NOV 19

Please limit each list item to three sentences. We will contact you if we require photographs, videos, or any additional information. Please do not include any media in this SigActs report.

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. On 15 NOV, the Department of English and Philosophy and the Humanities Center will be hosting an interdisciplinary, faculty-focused talk and colloquium with Dr. Wayne Franklin. Dr. Franklin is a Professor of English at UCONN, and will be giving a lecture called "Diligent Writers" Reconsidered: Literacy, Reportage, and the Creation of Early Modern Space. This event will be located at Cullum Hall at 1235.
2. On 18 NOV, the Department of English and Philosophy will be hosting an English Majors' Luncheon at Ike Hall Riverside Cafe starting at 1130.
3. On 23 NOV, the West Point's Ethics Debate Team will compete in the 2019 Northeast Regional Ethics Bowl at Salisbury University. The team will compete against 24 other colleges and universities from across the Northeast. The top four teams will qualify for the National Ethics Bowl in February.

Top 3-5 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. One instructor's three sections of PY201 (Intro to Philosophy and Ethical Reasoning) ended their three-week unit on the Ethics of Artificial Intelligence and Lethal Autonomous Weapon Systems last week with an interdepartmental/interdisciplinary collaboration with the Department of Electrical Engineering & Computer Science. The Cadets spent several lessons in the Robotic Research Center (RCC) in the basement of Thayer Hall learning how to program robots with ethics and then conducted battles with their lethal autonomous weapons on a simulated battlefield.

DEPARTMENT: Physics and Nuclear Engineering

POC Name: Kim M. Lee

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DATE: 14 November 2019

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Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. On 15 November, Mr. Scott G. Nagley from BWT Technologies, Inc. will present an colloquium, “BWXT and Mobile Nuclear Power (MMNP)”, to staff and faculty on nuclear power safety, discuss his company’s overview, the Army’s need for mobile microreactors, TRISO fuel and high assay LEU supply, and nuclear culture.
2. During 19-21 November, COL John Hartke, Dr. Mitch Pfenning and CPT Joe Fasone will travel to San Diego, CA with 10 cadets who will be presenting at the 2019 DEPS Directed Energy Systems Symposium.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. Three cadets enrolled in Astronomy SP189 individual research projects followed Mercury’s transit across the Sun. Cadets Kaelynn Mayes, George Zhang and Rudra Tejiram, enrolled in an individual research project in astronomy with Dr. Paula Fekete followed the planet Mercury’s transit across the Sun on Monday, 11 November. Cadets and their instructor tracked the leisurely, five and a half-hour transit of the innermost planet of our solar system in front of the Sun and took video and still images of the event. Following its transit in 2016, this was Mercury’s 4th of 14 transits across the solar disk in the 21st century. The next transit of Mercury will be on November 13, 2032, so we must wait another 13 years to see a similar event.

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2. During 11-13 November, COL John Hartke, LTC Diana Loucks and CPT Dave Fobar traveled to Redstone Arsenal, AL to cultivate relationships with Space and Missile Defense Command (SMDC), Missile Defense Agency (MDA), the Army Futures Command Cross-Functional Team (AFC CFT) for Assured Position, Navigation, and Timing (APNT) and the Army Rapid Capabilities and Critical Technologies Office (RCCTO). These relationships enable the future leaders of our Army to work on the future of the Army through SMDC-funded research on small satellites and rocketry through the SMDC-Research and Analysis Center and potentially CFT APNT topics, as well as sponsored Academic Individual Advanced Development (AIAD) opportunities through all of these agencies.

DEPARTMENT: G&EnE

POC Name: MAJ John Boyle

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DATE: 14 November 2019

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

1. On 17 November, MAJ Erick Martinez (CLS) and CPT Tim Flagg (G&EnE) will take Society of American Military Engineers (SAME) Student Chapter Cadets to support Habitat for Humanity at a NY site. Cadets have supported this site for several years, which provides affordable housing to military related families in the region.
2. On 19 November, Mr. Matt Kralovec, as a guest lecturer, will lead instruction for 57 Cadets currently enrolled in Remote Sensing (EV377) on how to access and use commercial remote sensing imagery from Digital Globe using a service available to all DoD members.
3. On 20 November, the G&EnE department will host an annual "Environmental Biological Systems Beer Tasting" event with all Environmental Science and Environmental Engineering majors to celebrate the scientific achievement of those Cadets enrolled in EV396. This serves as an important opportunity for faculty and Cadets to better understand and appreciate the science behind this common beverage and it helps develop a mature perspective on alcohol use and consumption.

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4. On 25 November, LTC Wallen (G&EnE) will lead 54 Cadets enrolled in Environment Science for Engineers and Scientists (EV301) to the Wheelabrator Plant and Ash Landfill (Peekskill, NY and Cortland Manor, NY respectively) to observe a waste-to-energy plant and learn of best practices to better appreciate various aspects of solid waste management applications as well as obtain required information for their final homework of the semester.
5. On 26 November, Cadets enrolled in Ecology (EV471), with Dr. Patrick Baker (G&EnE) will visit the Wolf Conservation Center in South Salem, NY to learn about the three species of North American Wolves and efforts to conserve them.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

1. On 06 November, the Department of Geography and Environmental Engineering (G&EnE) published its 2019 newsletter and can be found here: [G&EnE 2019 Newsletter](#)
2. On 13 November, the Center for Geographic and Environmental Sciences (CEGS) participated in the Research Collaboration Luncheon at the West Point Club to bring together research efforts of current and future projects. This opportunity highlights the purpose of sharing resources and cross coordination amongst departments, centers, and institutes.
3. From 11-13 November, LTC Andrew Pfluger (G&EnE) and colleagues Dr. Enoch Nagelli (CLS) and LTC Corey James (CLS) presented two studies at the American Institute of Chemical Engineers Annual Conference in Orlando, Florida. One study focused on solid waste energy recovery for small-scale on-site applications, which was conducted with colleagues at Army Futures Command-CCDEVCOM (formerly RDECOM-ARDEC). The second study centered on assessment of graded events with a technical communication component in the Chemical Engineering Program.

DEPARTMENT: Mathematical Sciences

POC Name: Yoselin Brice

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POC Email: yoselin.brice@westpoint.edu

DATE: 14 November 2019

Top 3-5 events, activities, and newsworthy happenings UPCOMING in the next 30 days.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

On 11 Nov 2019, Major Walsh was featured on the Today Show to discuss the Objective Zero Foundation. The organization is fighting to end veteran suicide through counseling using the OZ App; a social media-based approach to connecting veterans to volunteer crisis counselors.

On 09 Nov 2019, eight cadets from MA153 and one from MA365, along with three instructor coaches, participated in this year's SIMIODE Challenge Using Differential Equations Modeling (SCUDEM) hosted by Manhattan College in Riverdale, NY. This event was the culmination of a 10-day long differential equations modeling challenge in which Cadets worked in teams of three to transform, solve, and interpret real-world and multidisciplinary scenarios. The teams were evaluated based on an executive summaries and presentations to a panel of judges and peers resulting in one team earning the highest-level evaluation (Outstanding) and two teams earning the second highest level evaluation (Meritorious).

On 07 Nov 2019, Dr. Carl Lee, from Department of Mathematics at the University of Kentucky presented a talk on Game Theory: An Invitation to Mathematical Reasoning. He presented a sequence of games that lead naturally to mathematical concepts, exploration, reasoning, conjectures, and proofs. He discussed how he used these types of games to help students encounter, experience, and strengthen math reasoning.

The games themselves were accessible to players with varied math backgrounds, and thus provided a natural and inviting way to encounter, experience, and strengthen math reasoning.

DEPARTMENT: History

POC Name: MAJ Denis Alfin

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1. November 15th: Department of History Review & Analysis with BG Jebb: Department leadership briefs BG Jebb on the progress of various initiatives including the integration of HI101/151 into the core curriculum.
2. November 22nd: Department of History ACFT Practice: Department staff and faculty participate in a group workout designed to improve overall physical fitness as well as facilitate a better understanding of the ACFT exercises.
3. December 6-7th: Saratoga Staff Ride: Approximately 40 cadets travel by UH-60 to Upstate New York to visit Saratoga and Ft. Ticonderoga historical sites. This staff ride facilitates cadets understanding of the mid-Atlantic colonies' role during multiple wars throughout the 18th century.

Top 3 events, activities, and newsworthy happenings FROM THE PREVIOUS 7 days.

Nothing Significant to Report.