

## ESPP Weekly News Roundup

May 20, 2022

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### Workshops, Events, & Other Opportunities

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- [Virtual Lunch and Learn: Creating Teaching E-Portfolios | 05-25-22 | 12-1 PM](#)
- [MSU-SPORE presents a Blood Drive in support of Bryan Rennick | 05-26-22 | 11:00 AM-4:45 PM](#)
- [EGLE 2022 Environmental Emergency Management Conference | June 29-30, 2022](#)
- [Free Online Course for Postdocs: The Postdoc Academy – Building Skills for a Successful Career | July-Aug, 2022](#)
- [NASEM Climate Conversations: Water Justice | 06-23-22 | 3:00-4:00 PM ET](#)
- [Cyberseminar Series - Hydrologic Science and Indigenous Voices | May-June 2022](#)

- [Anti-Racist Teaching Workshop | 05-23-22 | 2:30-5:00 PM](#)
- [Race, Place & Climate Action | 25th Annual Wege Speaker Series | Dr. Beverly Wright | 05-26-22 | 4 PM](#)
- [Frontiers in Hydrology Conference | 06/19- 6/24/22](#)
- [Registration for the 2022-23 Graduate Teaching Assistant Orientation and Preparation Program is open starting NOW!](#)
- [Climate Intersections Conference | Duluth, MN | 07/12-14/22](#)
- [ASABE Global Conference - the Sustainable Energy for a Sustainable Future | Costa Rica | 10/24-26/22](#)
- [RSAI Call for submissions: 2022 RSAI Best Dissertation in Regional Science | Due 07-31-22](#)

### **Job Opportunities**

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- [Research Associate Position at Michigan State University in Department of Fisheries and Wildlife with the Ecophysiology and Toxicology Lab and Center for PFAS Research](#)
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### **Faculty Funding Opportunities**

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- [DoS: Countering Wildlife Trafficking in Central Africa \(Bureau of International Narcotics-Law Enforcement\)](#)

## **ESPP News & Announcements**

### **ESPP Fall Courses**

Register for Fall courses is now open. Available ESPP courses are ESP 801, ESP 803, and ESP 804. See the attached flyers for more details.

## **Graduate School Announcements**

### **Master's Career Outcome Data Program**

Last year, the Graduate Career Development office (in partnership with the Career Services Network) undertook an experimental pilot program to capture career outcomes for Spring and Summer 2021 master's degree graduates. That data can be reviewed here: <https://careernetwork.msu.edu/graduates-outcomes/>. This process is being repeated and we are encouraging graduating master's students to complete the following survey: <https://msu.12twenty.com>. The link takes you to a portal where you can answer a series of short questions about your career plans (see attached for specific survey items). We appreciate your support.

### **National Graduate Student Crisis Line is Open to Support Students**

For some students, the path to completing a graduate degree can sometimes be more difficult than expected and the pressure of personal and academic responsibilities too much to handle. Help is available. The National Graduate Student Crisis Line (**877-GRAD-HLP**) is staffed by trained counselors who understand the pressures. Don't wait until a crisis arrives to call the National Grad Crisis Line. They are available 24/7 to listen, connect and assist you today! The National Graduate Student Crisis Line is part of [Grad Resources](#), a faith-based organization affiliated with the Christian Grads Fellowship.

### **Playwright seeking graduate student with knowledge of anti-racist pedagogies**

A graduate student with knowledge of anti-racist pedagogies is being sought as a researcher/collaborator for a play entitled Future Visions: Blackness Reimagined. The graduate student who takes on the role of Researcher/Collaborator will support the playwright and artistic coordinator by providing research on current anti-racist pedagogy scholarship. [Learn more here](#).

## **Course Announcements**

### **PhD Job Market Course | CAS 892 | Summer 2022**

CAS 892 - Section 304 focusing on preparing for the job market. Last summer was the first time this class was offered, and per students' feedback, it was extremely helpful in preparing students for the job market. This course is geared toward mid- to late-career doctoral students. In other words, students who are ready to embark on their job market journey and those who are a few years away from that. It is open to everyone, yet, from student feedback, it was exceedingly helpful for students who have spent a few years in the program and are now thinking about the job market. See the attached for more details.

### **PPL 808: Policy Development and Administration**

(Fall 2022, Thursdays, 3-6pm) explores the nature of bureaucracy and public institutions to understand context, power, authority, and humanity in public policy development and administration. Course goals include: Describe & analyze institutions and incentives in the context of policymaking; Map the internal and external power dynamics of organizations; Understand how individuals — those charged with implementing and those affected — experience public policy; Design politically feasible, accessible, and administrable public policy that balances interests and has mechanisms in place to identify and address harms. The class is adaptable to students in a variety of departments and disciplines, and the final

project allows students to explore the goals above in the context of an organization/policy area of their own interest. Contact Erika Rosebrook ([rosebroo@msu.edu](mailto:rosebroo@msu.edu)) with questions.

### **Trust and Governance Course | CJ 809 | Fall 2022**

Joe Hamm will be teaching CJ 809 this fall. CJ 809: Issues in Criminal Justice (Trust and Governance)

- Lecture (3.00 units) Open | Section 001 | Class Nbr 33443 | Regular Academic Session
- Tue : 12:40 PM-3:30 PM

The course is housed in CJ simply because that is my primary appointment but it will cover trust in a variety of governance structures with the goal of helping students develop a cross-boundary understanding of what trust is and how best to measure, protect, and build it. We will do weeks specifically devoted to governance generally, the federal government, legal agencies, state authorities, and environmental regulators but there is a lot of flexibility to cover other contexts as students are interested. The final paper is a grant proposal applying trust to the governance context the student cares most about. All questions welcomed! [jhamm@MSU.EDU](mailto:jhamm@MSU.EDU)

### **Course Announcement for Fall (Microbial Risk Modeling and Analysis)**

From Dr. Mitchell: I am excited to offer BE 849 Microbial Risk Modeling and Analysis again in the Fall. The pandemic has highlighted the need and role of quantitative analysis and engineering for understanding pathogen risks, environmental controls and evaluating interventions mechanistically. It has also highlighted the importance of understanding the process of connecting science with the evaluation of risk management strategies and policy decisions to mitigate risks. This course is open to all graduate students with the required pre-requisites and an interest in integrating biology and engineering for understanding environmental exposures and health risks within the risk assessment framework. See the attached flyer for more information. Please feel free to contact me if you have any questions. See attached for details.

## **Scholarships, Awards, & Fellowships**

### **Call for 2022-2023 Page & JGS Fellows | Due 06-03-22 and 07-01-22**

Imagining America invites students enrolled at an IA member institution with an interest in public scholarship or artistic practice and activism to apply for the 2022 - 2023 PAGE and JGS Fellowships.

PAGE: The PAGE Fellows Program invites graduate students to participate in a yearlong working group in support of collaborative art-making, teaching, writing, storytelling, and co-creating knowledge with and within community.

IA/JGS: The IA/JGS Fellows Program provides an opportunity for undergraduate students who work with photography and/or digital media to participate in a year-long learning exchange that includes tuition support, project support, and opportunities for professional development.

[Learn more here.](#)

### **Summer Intensive on Community-Engaged Scholarship | 06/6/22-6/10/22**

We welcome community-engaged scholars and practitioners with interests in community-engaged research and community-engaged teaching and learning, including service-learning, informal learning, and community-engaged research in courses. Through interactive workshops, field trips, lightning talks, case studies, panel discussions, and individual consultations, Summer Intensive participants explore big picture issues related to community-engagement in a learning community setting and develop strategies and plans for their own successful engagement activities. [Learn more and register here.](#)

### **Call for Applications: 2023-24 Azrieli International Postdoctoral Fellowship | Due 11-15-22**

The Azrieli International Postdoctoral Fellowship has launched its Call for Applications for the 2023–24 academic year. The fellowship offers generous funding and support for 24 international postdoctoral applicants to conduct research in exact sciences, life sciences, humanities, and social sciences at eligible Israeli academic institutions. The online application will be available beginning September 1, 2022. [Learn more here.](#)

### **Announcing the Asian Studies AY 2022-23 Foreign Language and Area Studies Fellowships (FLAS) | Due 06-12-22**

*Subject to funding*, the Asian Studies Center at Michigan State University will annually award multiple undergraduate and graduate fellowships under the Foreign Language and Area Studies (FLAS) Fellowship program funded by the U.S. Department of Education for students pursuing the study of Asian languages and Asia area studies at MSU. Asian Studies FLAS Fellowships are awarded to students enrolled in programs combining the study of a modern Asian language with advanced training, area studies courses and/or research in an academic or professional area with an Asia focus. \*Note: The 2022-23 AY FLAS fellowships are contingent on receipt of grant funding by the MSU Asian Studies Center from the U.S. Department of Education. For more information, please see the e-flyer attached or visit the [Asian Study Center's FLAS website](#). Please direct your questions to Dr. Isabella Tirtowalujo ([tirtowal@msu.edu](mailto:tirtowal@msu.edu)). See the attached for more details.

### **Center for Teaching & Learning Innovation Fellowship Call | Due 05-31-22**

The Graduate School and the Center for Teaching & Learning Innovation (Center for TLI) at Michigan State University welcome you to learn with us, influence the future of higher education, and further develop as leaders and public scholars by becoming a Graduate School/MSU Center for TLI Fellow. Each fellow will develop skills that support educator professional development, such as program design, project management, systems-level collaboration, facilitation and more. The first part of the fellowship will be focused on learning about the work of the Center for TLI, meeting our team members in various roles, and joining an existing Center for TLI effort for the remainder of the fellowship year. [Learn more and apply here.](#)

### **Army Research Laboratory Distinguished Postdoctoral Fellowship | Due 06-15-22**

The Army Research Laboratory invites exceptional young researchers to apply for an ARL Distinguished Postdoctoral Fellowship. This fellowship provides recipients the opportunity to pursue independent research while working alongside some of the nation's best scientists and engineers. Applicants must display extraordinary ability in scientific research and show clear promise of becoming outstanding

leaders. Successful candidates will have already tackled a major scientific or engineering problem or will have provided a new approach or insight, evidenced by a recognized impact in their field. [Learn more and apply.](#)

### **Interdisciplinary Inquiry & Teaching Fellowship Program 2022-2023 – Call for Applications | 05-20-22**

The Interdisciplinary Inquiry and Teaching Fellowship Program (IIT) is a partnership between the Michigan State University Graduate School and James Madison Residential College of Public Affairs at Michigan State University. This program is for doctoral students with an interest in interdisciplinary inquiry and undergraduate teaching. The primary goal of the IIT Fellowship Program is to broaden and enrich the professional development experience of a diverse group of graduate students by placing them within an environment, James Madison College, with an established tradition in excellence in undergraduate teaching. [Learn more and apply here.](#)

### **Internship and Fellowship Opportunities at Oak Ridge Institute for Science and Education (ORISE)**

The Oak Ridge Institute for Science and Education (ORISE) is accepting applications for internship and fellowship opportunities at U.S. Department of Defense research facilities nationwide. These are mostly postdoctoral, but there are opportunities for holders of Bachelors, Masters, and Doctoral degrees. [Learn more here.](#)

### **New EPA Research Opportunities**

The Oak Ridge Institute for Science and Education (ORISE) Internship/Research Participation Programs at the U.S. Environmental Protection Agency (EPA) are educational and training programs designed to provide college students, recent graduates, and university faculty opportunities to participate in project-specific EPA research, current environmental research, and developmental activities. Visit <https://orise.orau.gov/epa/current-research-opportunities.html>.

## **Workshops, Events, & Other Opportunities**

### **Lecture: Do Crises Offer Opportunities for Transformative Change? | Dr. Oghenekaro Nelson Odume | 05-24-22 | 1:00-2:00 PM**

Join us for a lecture by Dr. Oghenekaro Nelson Odume entitled "Do crises offer opportunities for transformative change? An analysis and reflection on the Cape Town water crisis and the South African response to the COVID-19 Pandemic." Dr. Odume is the Senior Researcher/Director of the Unilever Centre for Environmental Water Quality (UCEWQ) within the Institute for Water Research at Rhodes University in South Africa. He is also the coordinator of the [African Water Resources Mobility Network](#), a multi-partner project funded by the Intra-Africa Academic Mobility Scheme of the European Union. Nelson has successfully led several research and consultancy projects in the field of water resources, particularly in aquatic ecology, freshwater ecosystem health, water quality, pollution studies, biomonitoring, environmental water requirements, integrated water resource management, ethics and water governance. This talk will take place May 24, 2022, from 1:00-2:00 PM in Room 126 in the MSU Geography Building. All are welcome. More information at <https://geo.msu.edu/news-events/events/2022-05-24.html>.

### **Virtual Lunch and Learn: Creating Teaching E-Portfolios | 05-25-22 | 12-1 PM**

An electronic portfolio is a great way to showcase one's experience, skills and research when building one's career. It can be used to document one's growth as educator, researcher, and professional. In addition, prospective employees can directly view a professional profile through accessing a personalized link. In this workshop, participants will explore platforms available to build their e-portfolio, especially to highlight their Certification in College Teaching. They will walk through simple steps of one e-portfolio platform and start drafting their own to expand on or to fine-tune what they have already created. [Learn more and register here.](#)

### **MSU-SPORE presents a Blood Drive in support of Bryan Rennick | 05-26-22 | 11:00 AM-4:45 PM**

As you may know, the US is currently facing a critical blood shortage largely due to COVID-19. MSU-SPORE is holding a blood drive to help support our labmate who was recently diagnosed with leukemia, as well as everyone else in need of blood at this time. Make an appointment to donate using this link: <https://www.redcrossblood.org/give.html/drive-results?zipSponsor=MSU> Location: MSU Union Ballroom--2<sup>nd</sup> floor (49 Abbot Road, East Lansing)

### **EGLE 2022 Environmental Emergency Management Conference | June 29-30, 2022**

Is your community prepared to handle environmental emergencies such as fires, floods, oil spills, etc.? The Michigan Department of Environment, Great Lakes, and Energy (EGLE) is hosting the [Environmental Emergency Management Conference](#) at the Lansing Center in Lansing, Michigan on June 29-30, 2022 to help communities with preparedness and mitigation, response, and recovery related to incidents impacting the environment and public health. Participants may include federal, state, and local emergency response personnel, public health officials, facility emergency managers, contractors, consultants, academia, or anyone within the emergency response community.

### **Free Online Course for Postdocs: The Postdoc Academy – Building Skills for a Successful Career | July-Aug, 2022**

Registration is now open for a free online course from The Postdoc Academy: Building Skills for a Successful Career. The Postdoc Academy provides skill development for postdocs as they prepare to transition into their next career step. Course duration: July 11 – Aug. 28 [Learn more and register here.](#)

### **NASEM Climate Conversations: Water Justice | 06-23-22 | 3:00-4:00 PM ET**

Join us for a conversation about how to ensure all people in the U.S. have access to clean and safe drinking water in a changing climate. Millions of people in the U.S. currently lack access to clean and safe drinking water, particularly in low-income rural areas and in communities of color. Our changing climate creates additional threats, such as droughts that diminish surface water bodies, algal blooms and salt-water intrusion that contaminate water supplies, and floods that overwhelm water treatment facilities. Join us for a conversation about how policies and infrastructure could help address current disparities in access to water and build resilience to the increasing impacts from climate change. Speakers will be announced soon. [Register here.](#)

### **Cyberseminar Series - Hydrologic Science and Indigenous Voices | May-June 2022**

Indigenous leaders in water and hydrologic science explore how hydrological sciences are defined and who is included in that definition. It explores how native american people relate to water, what water issues they think are important, how we can increase inclusivity in the hydrologic sciences community and what challenges and opportunities they face with building resilience to climate change with regards to water. For session information and schedule, visit

<https://www.cuahsi.org/cyberseminars/series/hydrologic-science-and-indigenous-voices>.

#### **Anti-Racist Teaching Workshop | 05-23-22 | 2:30-5:00 PM**

Lead by Felicia Rose Chavez, author of *The Anti-Racist Writing Workshop: Decolonizing the Creative Classroom*. Part 1 will focus on Adapting Our Teaching Habits. Part 2 will focus on Critique Across Disciplines. To register and get more information, visit

<https://docs.google.com/document/d/1CXV3KHy5OixSg2oi3xAvT2nq5M73mAkSUMsbdrTZiM/edit?usp=sharing>.

#### **Race, Place & Climate Action | 25th Annual Wege Speaker Series | Dr. Beverly Wright | 05-26-22 | 4 PM**

The Wege Foundation presents its 25th Annual Speaker on May 26, 2022. This year's lecturer will be Dr. Beverly Wright, award-winning environmental justice scholar, advocate, author, civic leader and professor. She is the founder and executive director of the Deep South Center for Environmental Justice in New Orleans. Learn more and register at <https://www.eventbrite.com/e/wege-speaker-series-2022-featuring-dr-beverly-wright-tickets-325871930717>.

#### **Frontiers in Hydrology Conference | 06/19- 6/24/22**

Take part in the inaugural, community-driven [Frontiers in Hydrology Meeting](#), 19-24 June 2022 in San Juan, Puerto Rico, and online everywhere. This year we will convene around the theme: The Future of Water. Registration is now open. Take advantage of early bird rates by registering now. Early bird rates and guaranteed housing expire on 17 May. In addition to the excellent scientific program, FIHM22 will also host several [field trips](#) that explore Puerto Rico's diverse ecological areas and city life, from kayaking on one of the world's only bioluminescent bays, to a guided tour of historic Old San Juan. There will also be a service activity with ENLACE, an organization devoted to restoring the Martín Peña watershed and empowering the local community. [Financial assistance](#) is available for student and early career attendees.

#### **Registration for the 2022-23 Graduate Teaching Assistant Orientation and Preparation Program is open starting NOW!**

Attention Graduate Teaching Assistants! Registration for the GTA Fall Orientation and Preparation Program is open! Whether you are a new, international, or a returning Graduate Teaching Assistant, the [Graduate Teaching Assistant Program \(GTAP\)](#) offers sessions that provide policy training required of everyone and sessions to make you more effective in your teaching, including resources and professional development opportunities. The program will be delivered virtually with both synchronous and asynchronous components. All GTAs are strongly encouraged to attend and need to register before August 3, 2022 to receive all materials and to be able to access all relevant modules on the Learning Management System D2L. This link will give everyone a brief introduction to the GTA Program



and to the individual components as described below: <https://grad.msu.edu/gtap>. You can also directly access the registration form here: <https://grad.msu.edu/tapreg>

### **Climate Intersections Conference | Duluth, MN | 07/12-14/22**

This conference has a theme of adapting local communities to extreme weather and creating resilient agricultural systems in a changing climate. The conference covers topics that provide solutions that combat inequity caused by climate change and ensure the well-being of people. In addition, this conference provides an opportunity to connect with water professionals in the area of water, climate, and natural resources within the North Central Region. [Climate Intersections Conference - North Central Region Water Network \(northcentralwater.org\)](#)

### **ASABE Global Conference - the Sustainable Energy for a Sustainable Future | Costa Rica | 10/24-26/22**

A fast-growing world population, estimated to reach 9.1 billion in 2050, coupled with megatrends such as rapid urbanization and diet transformation will require nearly doubling of food production worldwide. While increasing food production is critical, issues such as water and energy security are equally important to ensure sustainability of the global food system while addressing climate change. The goal of the conference is to bring together agricultural and biological engineers and peers from academia, government, and industry including growers/farmers from across the world with local stakeholders to enable interdisciplinary dialogs among international scientists, business owners, and government agents to explore renewable energy technologies and innovations. It is expected that partnerships will be developed among individuals and organizations to address issues and barriers that are most relevant to local/regional energy security. The conference scope includes innovative renewable energy production technologies; agriculture and circular bioeconomy for sustainable energy production; distributed renewable energy systems and global climate change; food-energy-water nexus; social, environmental and economic perspectives of energy security. Please visit the conference website at: [www.energy.asabe.org](http://www.energy.asabe.org) to submit your abstracts. The deadline for abstract submission is April 15, 2022. Conference is being co-chaired by Dr. Ajit Srivastava and Wei Liao from MSU.

### **RSAI Call for submissions: 2022 RSAI Best Dissertation in Regional Science | Due 07-31-22**

The Regional Science Association International (RSAI) invites submissions for the annual competition for the Best Doctoral Dissertation in Regional Science. Regional science is an interdisciplinary field concerned with theory, method, and application of regional, urban and rural, geographic and spatial investigations and analyses. The winner will be decided by the Selection Committee and will receive a cash award of 750 Euros (~\$850). Award announcements will be made at the North American Meetings of the RSAI, where participants in the competition are strongly encouraged to be present. The Selection Committee reserves the right to not make an award. Decisions made by the Selection Committee are final. <http://www.regionalscience.org/index.php/awards/rsai-dissertation-award.html>

## **Job Opportunities**

### **WWF Natural Capital Postdoc**

WWF is hiring a Natural Capital Postdoc to work closely with WWF chief scientist Rebecca Shaw and with the Natural Capital Project. We are especially interested in global level analysis integrating economic and ecological assessment. The Postdoc can be co-advised by one of the Natural Capital Project academic partner organizations (Stanford, Minnesota, Stockholm Resilience Center, Chinese Academy of Sciences) as well as directly with WWF. See the attached for details.

**Research Associate Position at Michigan State University in Department of Fisheries and Wildlife with the Ecophysiology and Toxicology Lab and Center for PFAS Research**

We have an exciting opportunity for a post-doctoral research associate at Michigan State University in the Department of Fisheries and Wildlife with the Ecophysiology and Toxicology Lab and Center for PFAS Research. We have 3 years of support funded by SERDP (DOD), for a motivated individual to further develop new approaches for assessing the toxicity of PFAS mixtures. The individual will oversee exposure experiments involving fathead minnows, in the field and in the lab, and will also work with colleagues at Oak Ridge National Lab to design similar experiments with Daphnia. The data will be modeled using dynamic energy budget models (DEB). The individual will work with graduate students and undergraduate researchers at MSU, analytical chemists associated with Center for PFAS research at MSU, collaborators at University of California Santa Barbara for DEB modeling, collaborators with University of Cologne, US Army ERDC and Oak Ridge National Lab. Interactions with these institutions as well as a broader PFAS community at MSU and in Michigan, and should set up the individual for future career success in PFAS research. PhD in a related field is required, as well as some quantitative background and an interest in dynamic energy budget modeling. Experience with toxicity exposure experiments is also desired. This position is open this summer. To apply, a posting link for HR will be provided soon (in final stages). In the meantime, contact Cheryl Murphy ([camurphy@msu.edu](mailto:camurphy@msu.edu)) for more information.

**PhD research assistantship at Michigan State University in Department of Fisheries and Wildlife with the Ecophysiology and Toxicology Lab and Center for PFAS Research**

We have an exciting opportunity for a PhD at Michigan State University in the Department of Fisheries and Wildlife with the Ecophysiology and Toxicology Lab and Center for PFAS Research. We have 4 years of support funded by SERDP (DOD) and other sources for a motivated individual to explore the bioaccumulation of PFAS and PFAS mixtures in fish and Daphnia, and to determine toxicity pathways associated with these exposures that are meaningful for ecological risk assessment. The individual will conduct experiments involving bluegill, fathead minnows, and daphnia in the field and in the lab. The individual will work for about 6 months at Oak Ridge National Laboratory to conduct Daphnia experiments. The individual will work with a team of graduate students, post-doctoral researchers and undergraduate researchers at MSU, analytical chemists associated with Center for PFAS research at MSU, collaborators at University of California Santa Barbara for DEB modeling, collaborators with University of Cologne, US Army ERDC and Oak Ridge National Lab. Interactions with these institutions as well as a broader PFAS community at MSU and in Michigan, and should set up the individual for future career success in PFAS research. Masters in Biology or related experience is required. Some computer programming and an affinity towards modeling is desired, but not necessary. An enthusiasm for laboratory exposure experiments is necessary. This position is available immediately, so contact Cheryl Murphy ([camurphy@msu.edu](mailto:camurphy@msu.edu)) if interested. Please send CV and transcripts.

## Faculty Funding Opportunities

### [USDA: Caribbean Partners for Conservation CPC FY 2022 for Program Funding Caribbean Area \(Natural Resources Conservation Service\)](#)

#### [DoS: Inclusive Action for Climate Change](#)

#### [DoS: Cooperation on Peaceful Uses of Nuclear Energy](#)

The Department of State's Bureau of International Security and Nonproliferation, Office of Multilateral Nuclear and Security Affairs (ISN/MNSA) seeks proposals to advance U.S. foreign policy and national security priorities by identifying and supporting initiatives for sustained international engagement to promote enhanced and more efficient cooperation and assistance in the application of peaceful uses of nuclear energy, science, and technology ("peaceful uses") and to drive new resources to projects and activities in developing countries of greatest need.

The program aims to continue a robust international dialogue on the peaceful uses of nuclear energy, science and technology focused on advancing international awareness of the important contribution of peaceful uses, promoting greater acceptance of peaceful uses benefits, and identifying new opportunities for cooperation, especially if they are not well-suited for finding existing channels for assistance.

*U.S. international security will be strengthened by:*

1. demonstrating the peaceful uses benefits of the NPT through expanded access by developing countries to assistance in the application of nuclear energy for peaceful purposes;
2. integrating the views of technical experts and practitioners, including the research, development, and regulatory communities of practice (with a focus on including representatives from developing countries) in the exchange of information on peaceful uses during meetings of the NPT States Parties; and
3. broadening acceptance of peaceful uses as a solution to development challenges and needs coupled with growing understanding of the ties between peaceful uses and other international commitments in nuclear nonproliferation, safety and security.

Award Size: \$3,989,369

Deadline: May 30, 2022

#### [DoS: Enabling Forest Investment Development Facility-ForInvest \(Office of Acquisitions Management\)](#)

The ForInvest project will work in developing countries in the three key geographies identified in the Plan to Conserve Global Forests: Critical Carbon Sinks: the Amazon basin, Congo basin, and South East Asia. The project will support the Plan's objective by facilitating and enabling investment, particularly from private sector financial institutions, in natural climate solutions and other land use activities that increase carbon storage or prevent greenhouse gas (GHG) emissions from landscapes.

Specifically, the project will unlock investments by developing natural climate solutions-focused investment pipelines, and linking investors to those pipelines.

The goal of the ForInvest is to facilitate investment in natural climate solutions in developing countries, especially in high-deforestation areas, by developing investment pipelines and connecting those opportunities with potential investors. These investments should promote natural climate solutions and other land use activities that increase carbon storage or prevent greenhouse gas (GHG) emissions from landscapes.

*The Project's objectives include:*

- Develop investment pipelines in developing countries consistent with countries' Nationally Determined Contributions and climate and development objectives.
- Connect the pipeline of investable projects to investors via coordination and engagement with initiatives like the Forest Investor Club, Innovative Finance for the Amazon, Cerrado and Chaco (IFACC), and Mobilizing Finance for Forests.
- Collaborate with institutions including development banks, government ministries, financial institutions, and other initiatives to identify investment partners and relevant resources (i.e., technical assistance, catalytic capital, etc.).
- Enhance the capacity of actors at all stages of project development and investment, including project developers, asset owners, investors, and other institutions, to engage in private investment for natural climate solutions.
- Exploring de-risking mechanisms and innovative financial mechanisms to unlock investment in collaboration with other public and private institutions.

Award Size: \$5,135,000

Deadline: May 30, 2022

**[DoS: Indigenous People's Finance Access Facility \(IPFAF\), Bureau of Oceans - Int. Environmental - Scientific](#)**

The goal of Indigenous People's Finance Access Facility (IPFAF) is to improve Indigenous People's access to finance for forest restoration, conservation, and stewardship by addressing the existing barriers to Indigenous Peoples groups' engagement in global, regional, and national-level initiatives to finance combatting deforestation and promoting natural climate solutions. The project will support IPs in the key geographies identified in the *Plan to Conserve Global Forests: Critical Carbon Sinks*: the Amazon basin, Congo basin, and South East Asia.

*The objectives of IPFAF are to:*

- Provide targeted technical support, policy guidance, and legal services to enable access to specific finance opportunities;

- Advance capacity building activities to improve Indigenous People groups' long-term ability to access international grants, results-based finance opportunities, as well as other finance modalities for forest conservation, restoration, and improved management activities;
- Equip Indigenous People groups with resources and information to raise awareness of and take steps to address common legal and policy barriers for IP groups' access to international finance for forest conservation and restoration efforts; and
- Facilitate IP groups' access to specific finance opportunities for forest restoration, conservation, and stewardship.

Award Size: \$1,956,000

Deadline: May 30, 2022

### [DoS: Countering Wildlife Trafficking in Central Africa \(Bureau of International Narcotics-Law Enforcement\)](#)

The Bureau of International Narcotics and Law Enforcement Affairs of the U.S. Department of State announces an open competition for organizations to submit applications to carry out a project to counter wildlife trafficking in Central Africa.

Central Africa is a hot spot for poaching and trafficking of illegal wildlife and products such as ivory and pangolin scales. In order to help dismantle the criminal organizations trafficking in these illegal products and reduce wildlife trafficking in the region, INL seeks to support counter-wildlife trafficking projects in Central Africa including Cameroon, Central African Republic, Congo (Brazzaville), Congo (Kinshasa), and Gabon.

#### *Project Goal:*

Strengthen criminal justice institutions in Central Africa to undertake successful enforcement, investigative, and prosecutorial functions for wildlife crimes, as well as credible measures that prevent wildlife crime.

#### *Project Objectives:*

1. Increase the capacity of law enforcement to detect, interdict, seize, and transfer to investigatory agencies, illegal wildlife products, through raising awareness, training, and equipment.
2. Improve national and regional wildlife law enforcement capacity to prevent, detect, and investigate wildlife crime through specialized training and equipment.
3. Improve national and regional capabilities to prosecute and adjudicate cases against wildlife crimes and related offenses to result in appropriate sentencing outcomes.
4. Strengthen anti-corruption efforts within relevant agencies to enhance government response, improve government accountability, and strengthen transparency as it relates to wildlife crime.

Award Size: \$1.25M up to \$1.5M

Deadline: June 1, 2022



# ESP 801: PHYSICAL, CHEMICAL, AND BIOLOGICAL PROCESSES OF THE ENVIRONMENT



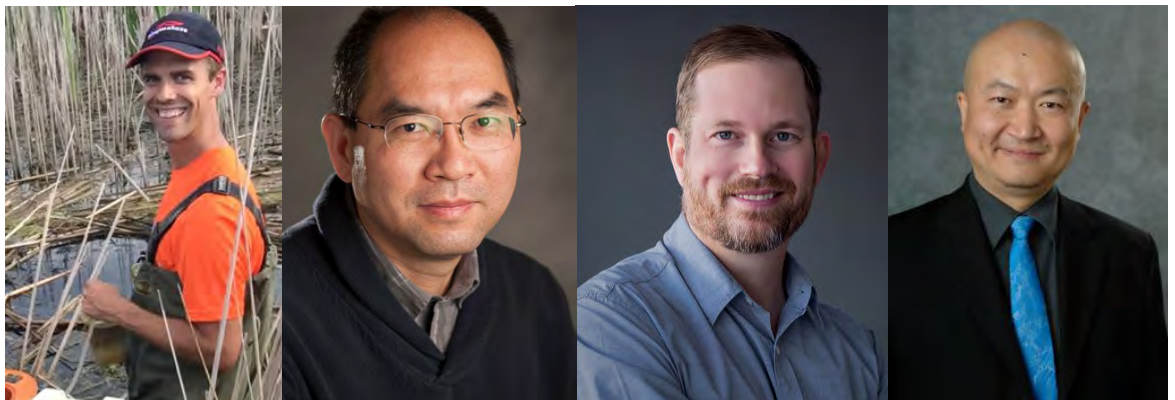
“Physical, Chemical, and Biological Processes of the Environment” has been redesigned to provide students who have disciplinary training in social sciences with a broad overview of environmental science from the perspective of natural sciences and engineering. ESP 801 includes four modules: Environmental Geosciences, Biology/Ecology, Environmental Chemistry, and Environmental Engineering that are taught by four MSU instructors. An environmental case study, a research proposal or a similar interdisciplinary project serve as a crosscutting theme for the course and a common point of reference for learning in ESP 801 and ESP 802. As a counterpart course to ESP 801, ESP 802 is also structured in a modular fashion but focuses on social aspects of environmental problems. ESP 801 and ESP 802 build a foundation for an integrative experience in the capstone ESP 804 course where students, having taken ESP 801 or ESP 802 or both of these classes, work on team-based projects that span the social/natural science spectrum. The new curriculum design reflects ESPP’s objective of providing an interdisciplinary preparation to a cohort of students from diverse backgrounds pursuing an interest in environmental science and policy.

## FALL 2022

Anthony Kendall  
Daniel Kramer  
Hui Li  
Wei Liao

## MON, WED

12: 40-2:00 PM





## ESP 803: HUMAN AND ECOLOGICAL HEALTH ASSESSMENT AND MANAGEMENT



This course provides concepts and techniques used to evaluate human and ecological health impacts from anthropogenic activities as well as a focus on policy formulation and management strategies to mitigate health effects. This course is designed for students with a familiarity with the basic concepts of physics, chemistry and biology of environmental processes, and the relationships between human systems and the environment.

**FALL 2022**  
Karen Chou

**MONDAYS**  
1:50-4:40 PM







## ESP 804: Environmental Applications and Analysis Lecture



This course provides the opportunity to apply knowledge learned in previous ESP courses. Global, regional and local environmental issues will be presented and explored. Class projects will be identified from these issues. Students will be assigned projects and will use a systems approach to identify and solve environmental problems associated with the assigned issues. This course is designed for graduate students with ecology, biology, physical, or social science backgrounds seeking an interdisciplinary, environmental science approach to problem solving.



**FALL 2022**  
Joe Hamm

**WEDNESDAY**  
3:00-5:50 PM





# ENVIRONMENTAL SCIENCE AND POLICY PROGRAM FALL 2022 COURSE OFFERINGS



## **ESP 801: PHYSICAL, CHEMICAL, AND BIOLOGICAL PROCESSES OF THE ENVIRONMENT** **INSTRUCTORS:** Anthony Kendall, Daniel Kramer, Hui Li, Wei Liao | Mon,Wed: 12:40-2:00 PM

This course provides students who have disciplinary training in social sciences with a broad overview of environmental science from the perspective of natural sciences and engineering. Includes four modules: Environmental Geosciences, Biology/Ecology, Environmental Chemistry, and Environmental Engineering that are taught by four MSU instructors. An environmental case study, a research proposal or a similar interdisciplinary project serve as a crosscutting theme for the course and a common point of reference for learning in ESP 801 and ESP 802. As a counterpart course to ESP 801, ESP 802 is also structured in a modular fashion but focuses on social aspects of environmental problems. ESP 801 and ESP 802 build a foundation for an integrative experience in the capstone ESP 804 course where students, having taken ESP 801 or ESP 802 or both of these classes, work on team-based projects that span the social/natural science spectrum. The curriculum design reflects ESPP's objective of providing an interdisciplinary preparation to a cohort of students from diverse backgrounds pursuing an interest in environmental science and policy.

## **ESP 803: HUMAN AND ECOLOGICAL HEALTH ASSESSMENT AND MANAGEMENT** **INSTRUCTOR:** Karen Chou | Monday: 1:50-4:40 PM

This course provides concepts and techniques used to evaluate human and ecological health impacts from anthropogenic activities as well as a focus on policy formulation and management strategies to mitigate health effects. This course is designed for students with a familiarity with the basic concepts of physics, chemistry and biology of environmental processes, and the relationships between human systems and the environment.

## **ESP 804: ENVIRONMENTAL APPLICATIONS AND ANALYSIS** **INSTRUCTOR:** Joe Hamm | Wednesday: 3:00-5:50 PM

This course provides the opportunity to apply knowledge learned in previous ESP courses. Global, regional and local environmental issues will be presented and explored. Class projects will be identified from these issues. Students will be assigned projects and will use a systems approach to identify and solve environmental problems associated with the assigned issues. This course is designed for graduate students with ecology, biology, physical, or social science backgrounds seeking an interdisciplinary, environmental science approach to problem solving.





## FLAS FELLOWSHIPS

**Academic Year Asian Language Study  
2022 - 2023**

- Undergraduate
- Graduate

**TUITION AND STIPEND TO STUDY AN ASIAN  
LANGUAGE AT MICHIGAN STATE UNIVERSITY.**

## DEADLINE:

**June 12, 2022 @ 11:59 p.m. EDT**

Submission portal opens May 9, 2022

**APPLY HERE**

Subject to funding, the Asian Studies Center awards undergraduate and graduate student fellowships under the **Foreign Language and Area Studies (FLAS) Fellowship program** of the U.S. Department of Education for the study of modern Asian languages and Asia area studies.

FLAS Fellowships award academic year undergraduate students with \$10,000 toward tuition and fees and a stipend of \$5,000. For academic year graduate students FLAS will offer tuition payments of up to \$18,000 per academic year and a stipend up to a total of \$20,000 for the same period.

*To be eligible, students must be U.S. citizens or permanent residents and be enrolled full time. Undergraduate students must be studying the target language at the intermediate or advanced level. The academic year fellowship requires that students take one language and one area studies course for a letter grade each term during the award period.*

# BE 849

## Quantitative Human Health Risk Modeling and Analysis for Microbial Stressors

### Fall 2022 – 3 credits

Wednesdays: 1:50p – 4:40p

Location: Classroom (TBD) and Computer Lab (FAE 105 )

This course aims to teach students a broad set of tools and modeling skills used in health based environmental risk assessment and analysis. This course will focus pathogenic microorganisms as stressors in multimedia environments including air, water, soil and food. However, the overarching framework and tools can be applied in other areas including chemicals. Students will learn basic methods to model deterministic and stochastic systems in R. We will build mathematical models to integrate data and knowledge across several disciplines in order to describe the pathogen occurrence, persistence, fate-and-transport, exposure and human responses to microbes in order to numerically estimate health risks. Exposure levels will be informed by environmental measurements, monitoring data and/or by models that characterize the magnitude, frequency, and duration of contact between stressor and receptors. Course will cover topics in microbiology, including kinetics, and methods of detection to understand pathogenic behavior in the environment as well as the disease process to model interactions with the human body. Formal risk assessment also mathematically combines these and other factors with a rigorous treatment of the relevant uncertainties to formulate estimates of risk useful for decision making. Students will have the opportunity to also evaluate risk management strategies using decision analytic tools, such as cost-benefit analysis.

Teaching Style: A combination of lecture, active and cooperative learning including weekly computer lab sessions, and project-based learning

Instructor: Dr. Jade Mitchell ([jade@msu.edu](mailto:jade@msu.edu))

Recommended Background:

Mathematics background including calculus I and calculus II or equivalent. Probability background including STT 441 OR STT 442 OR STT 351 or equivalent. Background in engineering, environmental science, toxicology, microbiology, food safety, and/or public health.



# Continuing Education

(\*) indicates a required field for students only (not required for administrators).



Career Services Network (/)  
MICHIGAN STATE UNIVERSITY

## Basics

University

University

Start Date \*

MM/DD/YYYY

e.g. 04/07/2022

What will your enrollment status be at this school? \*

Full-time  Part-time

How will you attend classes?

-- Please select a value --

Program Name/Field of Study

-- Please select a value --

What degree or certification will you pursue following graduation?

-- Please select a value --

Provide additional details here

## Location

Country \*

Country

City \*

City

## Other

This opportunity is consistent with my career aspirations at the time I started my master's program.

-- Please select a value --

This opportunity is consistent with my career aspirations that I formed during my master's program.

-- Please select a value --



## Admin

Reported Date \*

MM/DD/YYYY

e.g. 04/07/2022

Knowledge Source \*

-- Please select a value --

datasource\_moreinfo

datasource\_moreinfo

Cancel (/Profile?studentId=540016051545449)

Add

## PhD Job Market Course | CAS 892 | Summer 2022

Hello all,

I wanted to send out a note to encourage you to sign up for my Special Topics Summer Course: CAS 892 - Section 304 focusing on preparing for the job market. Last summer was the first time this class was offered, and per students' feedback, it was extremely helpful in preparing students for the job market.

### Who Can Take this Course?

This course is geared toward mid- to late-career doctoral students. In other words, students who are ready to embark on their job market journey and those who are a few years away from that. It is open to everyone, yet, from student feedback, it was exceedingly helpful for students who have spent a few years in the program and are now thinking about the job market.

### Improvements in the Course this Semester

Based on students' feedback, I have extended the timeframe of the course, to offer more time for students to work on their materials. I also will be dedicating more time for industry jobs. You might wonder why the focus on industry jobs. As we discussed in class, while academic careers seem like the traditional trajectory out of a Ph.D. program, it is not the only one, and should not be perceived as such. Finally, in collaboration with our ComArtSci development office and the Associate Dean for Graduate Studies, we will be working -- if the course makes -- several guest speakers from our doctoral programs in the College across academic and industry to speak with students. In addition to knowledge sharing, this will be a tremendous networking opportunity.

*Please note that the class is scheduled for in-person instruction, yet if there's enough preference among students to change that to a **hybrid model**, I'm more than happy to do so.*

### What We'll Do in the Course

The course is set up in a workshop style. We have class meetings to discuss the topic for that day and listen to a guest speaker. Students will work on developing the following materials:

- CV for academic jobs
- Resume for industry jobs
- Cover letter
- Research Agenda
- Teaching Philosophy
- DEI Statement
- Personal branding website
- Preparation for job market interviews



### Feedback from Students Last Summer

- Great course offered by the program. The professor is great !

- Everything is great for a two-week course. If i have to name one thing for improvement, I would say that there could be more time devoted for non-academic job discussion in the future, given that we spent one meeting on non-academic and three meetings on academic discussion.
- This class and the instructor were fantastic. I learned a lot and have first drafts of all the important documents needed for the job market. I really appreciated the feedback on all of the assignments.
- This course covered such important material, so it surprised me that it was only organized as a two-week course. Considering the amount of material we attempted to cover and the gravity of the assignments, it would have been more helpful for this to be a month-long course at least. The panels organized were very helpful and I really appreciated that panelists and the instructor shared valuable experiences of theirs that we could learn from. The professor is wonderful. The way he envisioned the course shows that he's concerned with us getting a well-rounded understanding of navigating academic and non-academic job markets. His feedback on assignments is priceless. It is what I have been in desperate need of and unfortunately, no one offered such detailed, helpful feedback until this course. This course should be mandatory for mid-career PhD students and should definitely be at least a month long to cover all this ground. Kudos to the professor for helping us create the skeletal structures of our job portfolios in such a short period of time.

If you have any questions, please don't hesitate to reach out to me. Following is a link to last year's syllabus:

<https://docs.google.com/document/d/1ZRR9rVlfYgEpMBn CZXXAt2PAFmuFZ4U7DWqgzR08sRY/edit?usp=sharing>

 <p><b>CAS 892 - 734 JOB MARKET</b> Navigating Pathways Out of a PhD July 12 - 23, 2021 M, W, F @ 1:00 - 3:20 PM</p> <p><b>Instructor: Dr. Saleem Alhabash</b></p> <p><b>zoom</b> <a href="https://msu.zoom.us/j/94539781398">https://msu.zoom.us/j/94539781398</a> (Passcode: jobs)</p> <p> Communication Arts &amp; Sciences Building Room 313</p>	<p><a href="#">CAS892-734</a></p> <p>CAS 892 - 734 JOB MARKET Navigating Pathways Out of a PhD July 12 - 23, 2021 M, W, F @ 1:00 - 3:20 PM Instructor: Dr. Saleem Alhabash <a href="https://msu.zoom.us/j/94539781398">https://msu.zoom.us/j/94539781398</a> (Passcode: jobs) Communication Arts &amp; Sciences Building Room 313 Phone: 517-432-2178 Email: sa...</p> <p><a href="#">docs.google.com</a></p>
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Best,

Saleem

**Saleem Alhabash, Ph.D.** ([he/him](#))

Associate Professor

Co-Director of the Media and Advertising Psychology (MAP) Lab

Chair, College Advisory Council



Associate Editor, Journal of Interactive Advertising  
Department of Advertising + Public Relations

College of Communication Arts & Sciences

Michigan State University

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Communication Arts and Science Building

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Tel: (517) 432-2178

Email: [sa@msu.edu](mailto:sa@msu.edu)

[www.saleemalhabash.com](http://www.saleemalhabash.com)

## **Overview**

World Wildlife Fund (WWF), one of the world's leading conservation organizations, seeks a Natural Capital Postdoctoral Fellow.

As the Global Science Research Fellow, you will work with Nature-based Solutions Measurement and Evaluation Team (NbS M&E Team) and country teams to evaluate the contributions of nature to people associated with our conservation strategies and management. You will use a variety of qualitative and quantitative assessment tools, including modeling tools using remotely sensed data and information about benefits as defined by local communities, to evaluate the benefits over the life of the project.

As the Global Science Research Fellow, you play a key role in the Natural Capital Project partnership (Stanford University, University of Minnesota, Chinese Academy of Sciences, Stockholm Resilience Center, The Nature Conservancy, WWF), an effort to map, measure, and value nature's contributions to people using a diverse portfolio of modeling tools. You will be expected to collaborate with researchers from the Natural Capital Project and leverage the deep knowledge of the partnership to design and implement a research program to evaluate nature's contributions to people across the Bezos Environmental Fund project sites. You will report directly to the WWF Chief Scientist.

## **Responsibilities**

- Provides executive-level research and analysis support
- Conducts innovative research and synthesizes data in a way that delivers practice- and policy-relevant information on nature contributions to people at relevant scales
- Stays abreast of relevant scientific literature and shares important findings with team
- Conducts and supports colleagues in conducting research, analyses and synthesis, providing compelling written and visual information to convey key results
- Serves as a radar function to identify opportunities and emerging science issues
- Supports high quality distribution of research and analysis across the NbS M&E Team, through learning and knowledge management channels
- Supports development of proposals and reports
- Performs other duties as assigned

## **Qualifications**

- 4-6 years research experience + PhD strongly preferred
- Considerable research and analytical experience, preferable in an environmental discipline
- Knowledge and understanding of relevant, current research methods in natural capital modeling, mapping and synthesis
- Experience in science communications and proposal writing
- Strong leadership, project management skills, and excellent organizational skills.
- Excellent verbal, written, visual and interpersonal communications skills in English

- Ability to work collaboratively in a decentralized network with a culturally diverse and international team
- Ability to travel internationally for work in the field as needed
- Identifies and aligns with the core values of the WWF organization: Courage, Integrity, Respect & Collaboration
  - Demonstrates courage by speaking up even when it is difficult, or unpopular.
  - Builds trust with colleagues by acting with integrity, owning mistakes, and holding oneself accountable.
  - Welcomes other points of view and ideas, recognizing and embracing different and contrary perspectives with kindness, curiosity, and encouragement.
  - Makes conscious efforts to promote cooperative practices, behaviors, and ways of working across many groups and individuals.

**To Apply:**

Submit cover letter and resume through our [Careers Page](#), Requisition #22149

**<https://careers-wwfus.icims.com/jobs/search?ss=1&searchKeyword=22149>**

As an EOE/AA employer, WWF will not discriminate in its employment practices due to an applicant's race, color, religion, sex, national origin, age, marital status, genetic information, sexual orientation, gender identity and expression, disability, or protected Veteran status. WWF values diversity and inclusion and welcomes diverse candidates to apply.