August 22, 2022

Welcome to the fall semester! I could feel the cold in the air this morning as I biked on to campus. I also saw license plates from New York, Kentucky, Michigan and California.

Last week was the Ecology Society Meeting in Montreal. GDPE had a great showing from students current and past and faculty members. Looking ahead, we have lots of events and courses for the fall – read down for the details!

I’m looking forward to seeing you all at the Fall Picnic Sept. 8th! Please RSVP below.

Best,
Ruth, GDPE Director

GDPE EVENTS & ANNOUNCEMENTS

GDPE Social Listserv - Please make sure to sign up here for the GDPE Social Listserv to keep up with all the fun events we have planned this year!

FRSES First All-Member Meeting: August 25th, 12:00-1:00pm, Johnson Hall 132
Fall Picnic: September 8th, 5:00pm Spring Canyon Park
RSVP here by August 26th

GDPE is going environmentally friendly!
All food at GDPE sponsored events this year will be vegetarian and we ask that you bring your own utensils and reusable water bottles to reduce plastic waste.
Let us feature your field or lab work!

Our GDPE Sci Comm Fellow, Elizabeth Diaz-Clark, is creating a video series to showcase the great work that our graduate students are doing. If you are interested in participating, please fill out the form [here](#).

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**COURSES**

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**Fall 2022**

**ECOL 592 Interdisciplinary Seminars**

**Please note:** Students are welcome to take multiple 592s in a semester.

- **ECOL592 001 Understanding the "Insect Apocalypse: Global insect declines and recovery strategies** (Drs. John M. Mola and Ruth Hufbauer - this is officially full, but let us know if you're interested in trying to add. We're game to have a few more folks.) CRN:65074  **Credits: 1 Please register for 1 credit only.**

- **ECOL592 002 Equity and Justice in Conservation Practice** (Dr. Sara Bombaci, Erin Weingarten, Tamara Layden) CRN:65075  **Credits: 1 Please register for 1 credit only.**

- **ECOL592 003 Developing and testing compelling research questions** (Dr. Alison E. King) CRN:65079  **Credits: 1 Please register for 1 credit only.**

- **ECOL592 004 Tools and Approaches for Understanding Complex Community Interactions** (Christine Folks, Giovana Franco, Josie Smith) Thursday 2-2:50 CRN:65232  **Credits: 1 Enrollment opening soon. Please register for 1 credit only.**

- **ECOL 592 005 Global Change and the Shortgrass Steppe Ecosystem** (Drs. Alan Knapp, Melinda Smith) Wednesday 11-12:30 CRN - **TBD**  **Credits: 1 Enrollment opening soon. Please register for 1 credit only.**

*Keep checking back for new ECOL 592s*

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ECOL 505 - Foundations of Ecology - Dr. Alan Knapp
All incoming students should take this required course.

ECOL 610 - Ecosystem Ecology - Dr. Joe Von Fischer
This is a great course that covers a Fundamentals requirement.

** New Course** ECOL 580A1: Aerobiome Foundations (3 cr) - Dr. Ken Reardon
This course uses an interdisciplinary approach to understand which microscopic organisms are in
the atmosphere, how they became airborne, factors that affect their survival and transport, the
relationship between the aerobiome and terrestrial ecosystems, and other topics.

ANTH 674 - Research Design and Analysis in Anthropology - Dr. Andrew Du
Lecture: M 2-4:30pm Lab: W 2-3:40pm
Learn how to formulate research questions, design a research project, organize and analyze data,
and visualize and interpret results.

ESS 575 - Models for Ecological Data - Dr. Tom Hobbs, Professor Emeritus
Lecture: Tu/Th 8-9:15 AM, Lab – Wed 8-9:50 AM
Gaining insight about the operation of ecological processes using models and data.

NR 510 - Ecosystem Services Theory and Practice - Associate Professor Kelly Jones (HDNR)
Lecture: M 1-3:30: Lecture and discussion based class focusing on an interdisciplinary
understanding of the ecosystem services framework and payments for ecosystem services
programs.

WR 574 - Advanced Snow Hydrology - Professor Steven R. Fassnacht
Lecture: TR 9:30-10:45 Recitation: T 12:30-2:00
In-depth study of snowpack processes and
modeling, time series data analysis, and discussion of the literature.

PBHL692A CSU One Health Institute
CSU One Health Institute is sponsoring a fall semester course (PBHL692A) with the City of Fort
Collins. We are hoping to recruit at least 6 transdisciplinary student teams More information here.

FWCB 696 Where We Play - Consequences for our Biodiverse Planet? Professors Joel
Berger, and Barbara Cox Anthony M 6:00-8:00 pm
This graduate-level seminar will seek answers by understanding bio-ecological and economic
underpinnings. Hence, we'll explore topics using our major play modalities – hiking, biking, drones,
motorized vehicles (2-wheel, 4-wheel), and so forth – in Colorado and far beyond. More info here.

BZ560 Teaching and Communicating Science Professor Meena Balgopal T/TH 9:30-10:45
am Nature of science, scientific reasoning, scientific argumentation, communication theories, and
instructional strategies are explored. Develop science argumentation and communication skills in
undergraduate courses and in informal settings. Create materials for a professional portfolio. More
information here

Submit Photos

We want your photos! What are you up to, how is your field and lab work? Share them with us here.

All paperwork: Please email forms to Dawn at ecology@colostate.edu to coordinate signatures
and processing. Thanks!

We want your feedback! Do you have comments or suggestions about how your GDPE
experience can improve? Let us know! Contact your ExCom Student Representatives, Mel Morado
and Erin Weingarten to provide your feedback.

Stay in touch by tagging GDPE in your posts and photos on Twitter - @CSU_Ecology and use
hashtags #GDPE and #CSU_Ecology. We'd be happy to help highlight your research!
Biological Scientist  
**Application Due Date: August 26**  
Permanent Federal government position.  
This is a Professional series position, not a Research grade series position.  
Job Announcement Number: 22-RES-11606711-DP-JN  
More information [here](#).  

**Postdoc**  
The Department of Atmospheric Sciences at the University of Utah has a Postdoctoral Scholar position available to join our research team focused on understanding the carbon cycle of mountainous regions of the Western U.S., as part of a NASA-funded Carbon Monitoring System project. The research team includes researchers from the School of Biological Sciences at the University of Utah, Caltech, the National Center for Atmospheric Research, and the NASA Jet Propulsion Laboratory. Key research tools include satellite-observed solar-induced fluorescence (SIF), the Community Land Model (CLM), and the Data Assimilation Research Testbed (DART). There will be opportunities to work with students and scientists across multiple universities and research institutions, as well as opportunities to engage stakeholders about the scientific results. More information [here](#).  

Research Ecologist/Rangeland Management Specialist  
**Application Due Date: September 16**  
The USDA, Agricultural Research Service, Range and Meadow Forage Management Research Unit located in Burns, OR, is seeking a full time, permanent, Research Ecologist/Rangeland Management Specialist. The mission of this Unit is to provide the scientific basis for sound land and livestock management on sagebrush rangelands. The incumbent's program will focus on spatial and landscape ecology research that bridges our understanding of ecological processes and factors at the plant community scale with those operating at larger scales typical of management on western sagebrush rangelands. More information [here](#).  

Terrestrial Ecosystem/Community Ecology Postdoctoral Scholar  
**Application review begins October 15**  
Post-doctoral scientist in terrestrial ecology within an NSF-funded project studying the ecological legacy effects of elephant carcasses in African savanna ecosystems. See our project website at [https://www.megacarcassecology.com/](https://www.megacarcassecology.com/)  
More information [here](#).  

Submit Job Announcement