



August 12, 2022

Dear GDPE Community-

The semester and the annual Ecology Society of America meetings are both just around the corner! Here at CSU, Jennifer and Dawn along with our Sci Com fellow Elizabeth Diaz-Clark and a fabulous set of peer mentors will be welcoming our new students at orientation on Wednesday. Many thanks to peer mentors Mel Morado, Mattie Horn, Kyle Ruszkowski, Kord Dicke, Caroline Dewey, Sam Smith, Matt Sturchio, Erin Weingarten and Josie Smith for making this mentoring program possible, and for helping us define how the whole year of peer mentoring will take shape.

In Montreal at the ESA-CSEE meeting, GDPE's mixer is Monday evening. I'll be there and hope to see you, to! Dawn has planned some delicious food. I'm looking forward to seeing lots of GDPE talks, and hope that those of you who will be there will seek out your local peers, as well as delve deeply into your specialty and broadly across the field.

There are two new courses listed below - one more ECOL 592 and ECOL 580A1: Aerobiome Foundations - taught by Ken Reardon. It should be fascinating!

Our weekly digest schedule will resume with the new semester. Tune in here for the latest from GDPE.

Best wishes,
Ruth



GDPE EVENTS & ANNOUNCEMENTS

New Student Orientation: August 17th, 8:30-1:30, Lory Student Center Room 304

FALL 2022 ORIENTATION

AUGUST 17

8:30 - 1:30pm

LORY STUDENT CENTER - ROOM 304-306

FRSES First All-Member Meeting: August 25th, 12:00-1:00pm, Johnson Hall 132

Front
Range
Student
Ecology
Symposium

First All Member Meeting



August 25th



Johnson 132



12:00PM

There will be food!

Email

gdpe_frses@colostate.edu

with any questions

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 silverware and reusable water bottles to reduce plastic waste.



[GDPE Event Calendar](#)

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](#).

COURSES

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

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](#).

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!

GRANTS & JOBS

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.megacarcasseecology.com/>. More information [here](#).

[Submit Job Announcement](#)



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

