



January 9, 2023

Hello GDPE folks,

I hope everyone enjoyed the break and you are ready to get back into the swing of things.

Please note the first of our upcoming spring [Distinguished Ecologist Seminars](#) will be held with Dr. Ambika Kamath on February 1 at 4:00 pm. Please join us for what will be an engaging seminar and join us for a reception after.

Also, the 29<sup>th</sup> annual Front Range Student Ecology Symposium (FRSES) is [open](#) for registration and abstract submissions! The abstract submission deadline is January 20th.

This is a good time of year to reflect on all your accomplishments over the past year. So, take time before we really get rolling!!

All the best,  
Dawn



## GDPE EVENTS & ANNOUNCEMENTS

**Front Range Student Ecology Symposium**

February 23 & 24, 2023

Lory Student Center, Colorado State University

**Symposium Highlights**

- Keynote speaker Dr. Danielle Ignace
- Oral & Poster presentations
- Workshops & Networking
- Panel Discussions
- Social Events

*Community in Ecology*

## Save the date for FRSES!

The Front Range Student Ecology Symposium (FRSES) will be hosted at the Lory Student Center **February 23-24, 2023**, with opportunities for all undergraduate and graduate ecology researchers. We are currently accepting abstracts! Our keynote speaker will be **Dr. Danielle Ignace**, an ecophysiologicalist, science communicator, and an advocate for Indigenous voices in STEM. Find out more about Dr. Ignace [at her website](#). For more event information and to get involved, check out our website <https://frses.org> and follow us on Twitter [@CSU\\_frses](#).

Symposium registration and abstract submission are now LIVE on the [Front Range Student Ecology Symposium website!](#) FRSES is a great place to find community and share your research with a local audience. We look forward to seeing you all there!

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GDPE Event Calendar

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## ECOLOGY & CSU EVENTS

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### Youth Dialogues on the National Climate Assessment - Draft Fifth National Assessment (NCA5)

**January 12 - 2:30 pm**

University and high school students are invited to a special event on January 12th 2:30-5 EST on the Draft Fifth National Climate Assessment (NCA5), a major U.S. Government report on how climate change affects people and places in the United States.

Attendees will learn how to submit comments to ensure that the report adequately reflects the concerns of young people in the US.

Register [here](#)

### CSU Graduate School

#### Mentoring Best-Practices for Equity and Inclusion | A PDI Session

Tuesday, January 10, 1 – 2:30pm

This session is part of the 44th Professional Development Institute, Jan. 9 – 11. PDI offers a wide variety of topics designed to enhance professional growth and personal enrichment. For more information, and to register, visit [the PDI website](#).

#### Translational Talks & Networking Reception

Thursday, January 12, 4 – 6pm

Location:

[Translational Medicine Institute, Grand Events Hall, 2350 Gillette Drive, Fort Collins, CO 80523 csuvtce.com...](#)

Speaker: Linda Rhodes, VMD, PhD

Dr. Rhodes practiced both companion and farm animal medicine, and held positions in R&D at Merck and Merial Ltd. She founded AlcheraBio, an animal health contract research company, now part of Argenta, and subsequently was the founding CEO of Aratana Therapeutics

### GSC and ASCSU Grants

Graduate Student Council (GSC), The Graduate School, and the Associated Students of Colorado State University (ASCSU) are excited to sponsor Professional Development & Supply grants open to all graduate and professional students for use prior to June 30, 2023. More information [here](#).

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### Important GTA Information

#### First-Time Graduate Teaching Assistant Training Registration is Open!

The Spring 2023 required online training for newly appointed Graduate Teaching Assistants (GTA

registration is now open. The training will be offered January 9-15<sup>th</sup>.

This Training Program includes online content that addresses universal teaching issues and introduce students to best practices in pedagogy. Content is focused on explaining modeling best practice strategies. Because not all best practice strategies are readily applied in all classroom settings, the training emphasizes informing GTAs about the strategies while emphasizing the need to choose and adapt strategies according to disciplinary needs and departmental expectations. GTAs who will be teaching for the first time in Spring 2023 and those who missed the training in the Fall are required to complete this training.

If you are serving as a GTA for the first time please complete this mandatory training. Register on the [TILT website](https://tilt.colostate.edu/grad-students/gta-training/). (<https://tilt.colostate.edu/grad-students/gta-training/> ) Please complete registrations by January 2<sup>nd</sup>.

If you have any questions, please contact Debora Colbert at 970-491-2645 or [Debora.colbert@colostate.edu](mailto:Debora.colbert@colostate.edu).

### **Colorado PARC 2023 Annual Meeting**

MARK YOUR CALENDARS & [GRAB YOUR TICKETS!](#)

Come on out to our 2023 Annual Meeting! We are excited to have this event again but capacity is very limited, so get your tickets soon!

This year the meeting will be hosted on February 4th, at the Colorado Parks & Wildlife Headquarters in Denver. Follow us on [Facebook](#) for updates!

[Colorado Partners in Amphibian and Reptile Conservation](#)

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## **COURSES**

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### **Spring 2023**

#### **ECOL 592 Interdisciplinary Seminars**

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

◆ **ECOL592 001** Vertebrate Climate Change Responses (*Dr. Cory Williams*)  
**CRN:18824 Credits: 1 *Please register for 1 credit only.***

◆ **ECOL592 003** Continuation of Fall 2022 ECOL 610 Project (*Dr. Joe von Fischer*)  
**CRN: 15033 Credits: 1 *Please register for 1 credit only.***

◆ **ECOL592 004** Transdisciplinary Approaches in Sustainability: principles & practice (*Dr. Joe von Fischer*) **CRN: 10127 Credits: 1 *Please register for 1 credit only.***

◆ **ECOL592 006** Sustainable Food Systems (*Dr. Meagan Schipanksi*) **CRN:10129 Credits: 1 *Please register for 1 credit only.***

◆ **ECOL592 002** Assessing the Genetic Status of US Endangered Species Act-listed Species (*Drs. Chris Funk, Brenna Forester, Sean Hoban*) **CRN:10126 Credits: 1 *Please register for 1 credit only.***

## Assessing the Genetic Status of US Endangered Species Act-listed Species

**Instructors:** Drs. Chris Funk, Brenna Forester, Sean Hoban

Extracting genetic and demographic information (effective size and census size) of threatened species from existing US FWS reports to develop a publishable meta-analysis on USA species genetic status, building on prior work. Will lead to students better understanding of standardized data collection, management of qualitative and quantitative data, group collaboration, and species management and policy.

 **Tuesdays**  
2:00 - 2:50



Maguire's daisy



mountain yellow  
legged frog



piping plover

◆ **ECOL592 005/FWCB 696** Ecological Science Writing (Drs. Dan Preston and Kevin Bestgen)  
CRN: 10128 Credits: 2 **Note: this course is a 2 credit course**

Spring 2023




ECOL 592-005/FW 696

## Ecological Science Writing

**Instructors:** Drs. Dan Preston and Kevin Bestgen

Students will gain knowledge and skills focused on 1) organizing a scientific paper, 2) the process of publishing a scientific paper, 3) enhancing writing behavior, and 4) style for scientific writing. The instructional format will include lectures, discussions, written assignments, peer-review, and readings from *The Scientist's Guide to Writing* by S. B. Heard. Students are strongly encouraged to have their own writing project (e.g., manuscript) to work on as they develop and hone their writing skills.



**Tuesdays**  
3:00 - 4:40pm

**2 credits**  
CRN: 10128

◆ **ECOL592 007** Pollinators and Citizen Science (Drs. Gillian Bowser and Phil Halliwell) CRN: 12969  
Credits: 1 **Please register for 1 credit only.**

# POLLINATORS AND CITIZEN SCIENCE

Drs. Gillian Bowser & Philip Halliwell



Biodiversity loss and pollinator decline are two emerging topics of discussion in the climate change debate. What are some of the drivers of pollinator declines, how can biodiversity loss be measured against changing climate and how can these be detected using citizen science?

**TUESDAYS**  
12:00 pm  
1 credit

Keep checking back here and on our [website](#) for new ECOL 592s

## AGRI 638 - Ecosystem Service on Agricultural Lands

3-credit online course that applies an economic lens to look at buying and selling ecosystem services. Students will learn about ecosystem services, but focus on how farmers, ranchers, and other extensive land users can find ways to increase returns through marketing resources on their agricultural properties. Examples include hunting, agro-tourism and selling carbon credits. We will dig deep to explore innovative potential. All students will create an ecosystem marketing plan on an actual farm, ranch or other appropriate properties. Taught by Dana Hoag

## **ECOL and AB 581A2 - Insect Ecology**

Insects play crucial roles in most ecosystems, and their biology is just fascinating - come learn all about them in this new experimental course taught by GDPE Director Ruth Hufbauer.

3 credits, 10-10:50 MWF.

ECOL Lecture CRN: 21553; AB Lecture CRN: 21102

ECOL/AB 581A2

# INSECT ECOLOGY

Instructor: Dr. Ruth Hufbauer

ECOL Lecture CRN: 21553; AB Lecture CRN: 21102

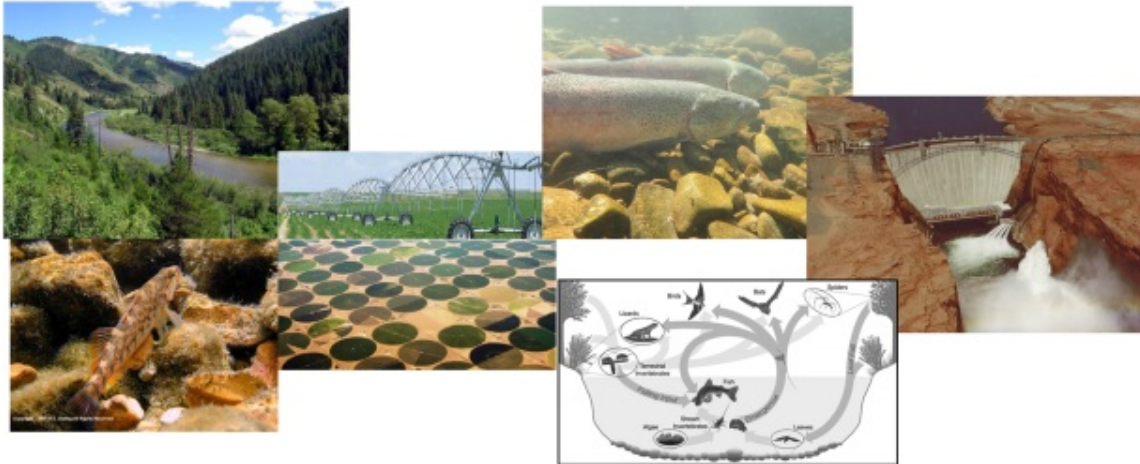
	<b>Class</b>	<b>Recitation</b>
	Mondays & Wednesdays 10:00 - 10:50am	Thursdays 9:00 - 9:50am

**World (3 credits)**

Tuesday and Thursday 11 am–12:15 pm

Engineering, E 106

Instructors: LeRoy Poff (Biology) & Yoichiro Kanno (FWCB)



**Offered Spring 2023!**

**BZ 568 (CRN 20597) & FW 568 (CRN 20598)**


**Sustaining River Ecosystems in a Changing World (3 credits)**

**Tuesday and Thursday 11 am–12:15 pm**

**Engineering, E 106**

**Instructors: LeRoy Poff (Biology) & Yoichiro Kanno (FWCB)**

*Course objective: Apply the concepts and principles of river ecosystem structure and function to develop a multidisciplinary and integrated understanding of the approaches and methods for restoring and sustainably managing these systems in the face of increasing human demands and rapid climate change. The course aims to bring together perspectives from ecological scientists, resource managers, engineers, hydrologists and social scientists to study and discuss the interdisciplinary challenges of sustaining riverine ecosystems and biodiversity.*



GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

# Recent Publications

**Let us know about your recent publications!**

We are trying to highlight the great and diverse science that our faculty and students are doing. If you have recently published an article, please fill out the form linked below and our SciCom Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

[Share your Recent Publication](#)

**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!

**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!

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Submit Photos

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

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## GRANTS & JOBS

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### **Postdoctoral Research Scholar in Urban Spatial Ecology**

**Application closing date January 30**

CAPLTER seeks a postdoc to develop and analyze land use/cover change and bioclimatic metrics in residential landscapes and open spaces (e.g., urban parks, riparian areas, desert preserves) within the CAP ecosystem at various spatial and temporal scales to understand how varied urban environmental factors shape vegetation and wildlife communities. The successful candidate will have a Ph.D. in geography, ecology, environmental science, plant or wildlife science, remote sensing, spatial ecology, or a related field by the time of appointment. The Ph.D. must have been earned within the last four years. More information [here](#).

### **Rocky Mountain Conservancy & Rocky Mountain National Park Continental Divide Research Learning Center**

**2023 Call for Bailey Fellowship Research Proposals**

**Application closing date February 1**

The RMNP Bailey Research Fellowship is an endowed program of the Rocky Mountain Conservancy that is funded by the Leslie Fidel Bailey Charitable Trust. It is designed to encourage highly qualified graduate students to apply their talents to conducting research in the national parks. It is also intended to convey the importance of communicating park research to the public. More information [here](#).

Submit Job Announcement



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