



January 24th

Dear all-

Lovely new banner, eh? Thank you Elizabeth Diaz-Clark, Sci Comm fellow extraordinaire. Good evidence that her programs this semester with a graphic design component are going to be well worth it.

I know of lots of folks with Covid in our community. I hope you're not one of them, and that if you are, the case isn't bad and that you recover quickly. Please feel free to reach out to us to let us know if you need any assistance to make it through. We are here to help.

The InTERFEWS program is hosting a panel on cutting our carbon footprints through understanding the impact of food choices we make. Important stuff! Everybody eats. Thursday, January 27, from 3-4pm LSC Rm 302 (Longs Peak room).

Faculty members - The Graduate School is offering their [Mentor Well](#) program again this spring. As this [TEDx talk](#) points out, there is outstanding scholarship on how to mentor graduate students, and the grad school program helps us apply that social science so that we can best help our graduate students succeed. The program comes very highly recommended, and I've signed up. I hope to see some of you there.

Stay healthy and safe this week!

Best,
Ruth

GDPE EVENTS & ANNOUNCEMENTS

The GDPE Social committee, Julian Cassano and Anna Wright, got a group of GDPE-ers out for some Covid-safe outdoor fun. Woot! The best way to integrate into the program and build community in this very strange time is to jump into whatever you can with both feet. I encourage everyone to join in the activities! For the shy among us, that's a challenge, but the rewards are so very worth it.



ECOLOGY & CSU EVENTS

The Front Range Student Ecology Symposium February 23-24

FRSES is a student-run symposium at Colorado State University that provides an opportunity for students to showcase their work and network in a friendly and supportive peer environment. This year's conference will be held in-person Wednesday - Thursday, February 23-24, 2022. Oral and poster presentations will be scheduled throughout Thursday.

DEADLINES

GDPE Deadlines

February 1 - Annual Student Progress Report - see email from Jennifer Neuwald and detail [here](#).

Other Deadlines

Feb. 2 – by Noon (MT)

- Request for Change of Department and/or Degree Program (GS7) for SPRING 2022

Feb. 11 – by 4:45 pm (MT)

- SPRING 2022 GRADUATES – Deadline to Apply to Graduate
- Deadline for Application for Graduation GS25 Form (students applying to graduate for the first time) OR Reapplication for Graduation (students who have applied to graduate for a previous term). Access the form on **RAMweb**.

Find all of the deadline details on the CSU Graduate School's website [here](#).

Find all of the registration details on the CSU Registrar's website [here](#).

COURSES

In case you still haven't finalized your schedule!

ECOL 592 Interdisciplinary Seminars

◆ **ECOL592 001 "Overpopulation and Ecological Sustainability " (Dr. Philip Cafaro)**
CRN:18824 **Credits: 1 Please register for 1 credit only.**

◆ **ECOL592 002 "Plant-soil feedbacks and drought" (Dr. Melinda Smith, Carina Donne, Alex Siggers)**
CRN 10126 **Credits: 1 Please register for 1 credit only.**

◆ **ECOL592 003 "Understanding the ecological impacts of drought from drought experiments" (Dr. Alan Knapp)** CRN 15033 **Credits: 1 Please register for 1 credit only.**

Terrestrial Ecosystem Isotope Ecology (SOCR670) Spring 2022

Instructor: Francesca Cotrufo

Are you curious to know what isotopes are and how they naturally behave in terrestrial ecosystems biogeochemistry? Do you want to know if isotope methods can help you addressing your research questions? Do you want to gain practical skills measuring C, N and water stable isotopes concentrations and analyzing isotopic datasets? More information **here**.

Transdisciplinary convergence: solving complex socio-ecological problems (FW696) Spring 2022

Instructors: Kyle Horton and Jeffrey Kelly (University of Oklahoma)
Participants in this seminar will explore best practices and examples of transdisciplinary convergence research for solving complex socio-ecological problems. The most compelling and challenging problems we face are at the boundary of society and ecology. Traditional disciplinary and multi-disciplinary approaches have proven inadequate for resolving these problems. Recently the National Academy of Sciences and the National Science Foundation have emphasized a new Transdisciplinary Convergence approach to make progress on these complex issues. This research approach is identified by: (1) addressing a specific, complex, and compelling problem; (2) engaging a research team that has deep integration across disciplines; and (3) having a research design that plans for transdisciplinary integration beginning at project initiation. More information **here**.

One Healthy City (PBHL692A) Spring 2022

The One Health Institute team is excited to announce the first for-credit course offering sponsored by OHI. "One Healthy City" (PBHL692A) is a 1-credit seminar course open to all graduate students across colleges and programs. The One Healthy City Project will bring together these interdisciplinary graduate and professional students to enhance our local community through the implementation of the 10-minute walk initiative. The course is a combination of seminars delivered by CSU faculty and City of Fort Collins staff, and project-based learning to create real-world recommendations for neighborhoods in Fort Collins. This group's work will be used to develop the concept of Nature in the City of Fort Collins. This is a great opportunity for students who have an interest in One Health, public health, community-engaged scholarship, and community health. Contact **Sue Vandenwoude** for more information.

Tools for Food-Energy-Water System Analysis (CIVE 527) for Spring 2022.

9:00 - 10:50 am on Mondays and Wednesdays. The course includes lab time from 9:50 - 10:50.
Course Description: This 3-credit hour course aims to equip students with tools to be used across disciplines that advance capacity to assess complex FEWS issues. Statistical analysis and data mining approaches are included to explore prevailing relationships amongst FEWS under varying conditions. Tools and approaches introduced include statistical analyses, life cycle assessment, triple bottom line analysis, and multi-criteria decision analysis. **Syllabus** More information **here**.

New online course - Ecosystem Services on Agricultural Lands

Dr. Dana Hoag in Agricultural and Resource Economics is offering a new online graduate course this Spring: AGRI 638 – Ecosystem Services on Agricultural Lands. Tuition is set at in-state rates, even for non-residents. Check it out or register at:

<https://www.online.colostate.edu/courses/AGRI/AGRI638.dot>

Course description: This course 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 improve their sustainability by earning revenues from resources on agricultural properties. Examples include selling carbon credits, wildlife banking, hunting and agro-

tourism. We will dig deep to find unique and innovative ecosystem services, and about how to market them. All students will create an ecosystem marketing plan on an actual farm, ranch or other appropriate extensive properties.

ANTH 570 Paleoclimate and Human Evolution Spring 2022

Instructor: Andrew Du

The class will be a seminar, wherein we discuss how one makes paleoecological inferences with the archaeological/fossil record (so it's a paleoecology class). Topics will include fundamental ecological theory, how we reconstruct paleoenvironments, how we deal with sampling/preservation biases, etc. The topics will be theoretical/methodological and will not be tied to any particular place or time period (though of course we will draw upon certain places and time periods for examples).

Plan Ahead! Fall 2022

ESS 575 - Models for Ecological Data - Dr. Tom Hobbs, Professor Emeritus

Lecture: TR 9:30-10:45 Lab: W 1-2:50 Gaining insight about the operation of ecological processes using models and data.

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.

Send us your photos! Now more than ever, it's important for us to keep in touch. Send us your photos of your WFH desk, from the field, or just photos of you relaxing and enjoying summer!

[Submit Photos](#)

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, [Andreas Wion](#) and [Sarah Carroll](#) 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!

[General Student Resources](#)
[COVID Resources for Grad Students](#)
[CSU COVID Recovery Resources](#)

GRANTS & JOBS

[Submit Job Announcement](#)



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY

