



June 5, 2023

Welcome to June, GDPE!

Summer and fall events are added to our GDPE events calendar each week - we've already scheduled our New Student Orientation (8/16) and our Fall Picnic (9/7). We always have our Calendar linked below, but you can also click [here](#) to subscribe. Our events can be added to your Google Calendar, iCalendar, or Outlook.

Students, are you subscribed to our [GDPE Student Teams Channel](#)? This is your go-to place for course and program support as well as other help from your peers. Use this space to ask questions about residency, course elective recommendations, opportunities to get involved, and more!

Stay dry out there! (*again*)
Josie Otto
GDPE Sci Comm Fellow

GDPE
FALL 2023 COURSE OPTIONS

REQUIRED - ALL	REQUIRED - HEI ONLY
ECOL 505: FOUNDATIONS OF ECOLOGY	ANTH 530: HUMAN ENVIRONMENT INTERACTIONS
FUNDAMENTALS	
ECOL 610: ECOSYSTEM ECOLOGY	BZ 526: EVOLUTIONARY ECOLOGY
BZ 548: THEORY OF POPULATION AND EVOLUTIONARY ECOLOGY	ESS 575: MODELS FOR ECOLOGICAL DATA
REQUIRED - PHD (2 COURSES), MS (1 COURSE)	
ECOL 592 OPTIONS: URBAN ECOLOGY	
BIODIVERSITY IN WAR ZONES - CONFLICT, CONSERVATION, RECONCILIATION	ELECTIVES (NOT EXTENSIVE)
MIGRANT ECOLOGY AND CONSERVATION	
MULTIVARIATE ANALYSES IN COMMUNITY ECOLOGY	BZ 560: TEACHING AND COMMUNICATING SCIENCE
	JTC 792E: CONSERVATION MARKETING



GDPE Event Calendar

GDPE EVENTS & ANNOUNCEMENTS

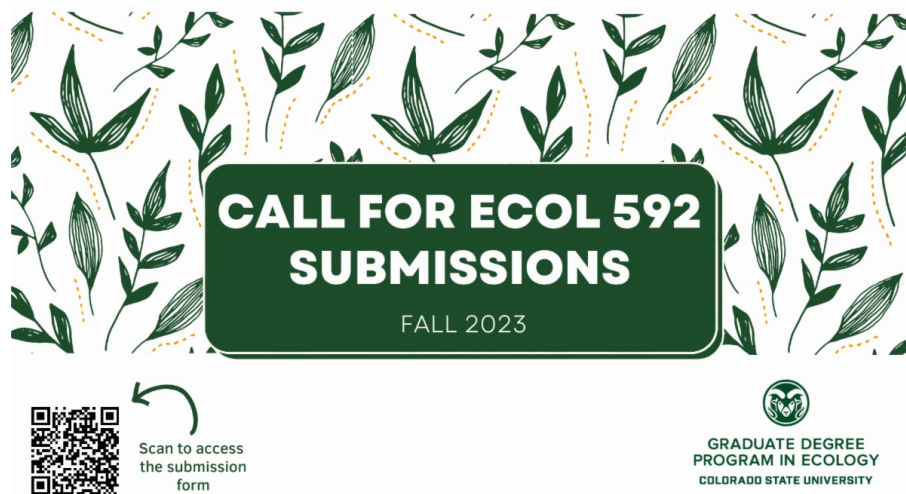


GDPE Sports League

GDPE sports league events will be held on **Wednesdays @ 5:30pm**. We will try to plan all the activities mentioned in the poll but if anyone is itching to play something specific just let us know and we can try to set it up.

The first GDPE sport league will be **this Wednesday (6/7) @ 5:30**. We will be playing sand volleyball at the sand volleyball courts outside of the CSU rec center. We hope to see you there!

For more info, contact Kord Dicke (Kord.Dicke@colostate.edu).



Call for ECOL 592 Submissions

These unique seminars provide cutting edge ecology topics which are changed and updated each semester. We are currently accepting submissions from students and faculty for the Fall 2023 semester. Previous seminars can be found [here](#) and the submission form can be accessed [here](#). Submissions are accepted up until the first week of the semester.

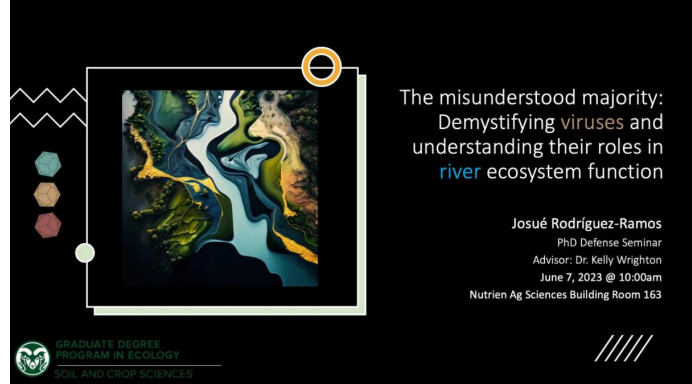
STUDENT DEFENSES

PhD Defense Seminar

Josué Rodríguez-Ramos

The misunderstood majority: Demystifying viruses and understanding their roles in river ecosystem function

June 7th, 2023



The misunderstood majority:
Demystifying viruses and
understanding their roles in
river ecosystem function

Josué Rodríguez-Ramos
PhD Defense Seminar
Advisor: Dr. Kelly Wrighton
June 7, 2023 @ 10:00am
Nutrien Ag Sciences Building Room 163

GRADUATE DEGREE
PROGRAM IN ECOLOGY
SOIL AND CROP SCIENCES

ECOLOGY & CSU EVENTS



GCC 2023
17th Graduate Climate Conference
Woods Hole, MA November 2-4

17th Annual Graduate Climate Conference

The GCC is an annual interdisciplinary climate conference **run by graduate students, for graduate students** featuring panel discussions, presentations, workshops, social events, and more. GCC highlights **climate research from a variety of disciplines within the physical, natural, and social sciences and humanities.**

This year, the event will be held at the Marine Biological Laboratory in Woods Hole, Massachusetts on **November 2 - 4th, 2023.**

Abstract submissions for the GCC closes this Wednesday, June 7th. [Click here](#) to learn more about the event and to apply.

4th Annual SyncroSim 2023 User Conference

Save the date for the fourth SyncroSim user conference! SyncroSim 2023 will take place from **September 19-21, 2023** at the Fort Collins Science Center.



The conference is designed for researchers, data scientists, policy makers, and anyone interested in applying cutting-edge simulation modeling techniques to support decisions for complex ecological systems. [SyncroSim](#) is a versatile software platform for developing, running, and analyzing geospatial forecasting models.

Registration is open now. Click [here](#) for more details.

Diversify Whitewater Community River Float

A local 501(c)(3) nonprofit organization, [Diversify Whitewater](#) (DW), is holding a free rafting event on the Poudre River on June 10! DW was founded by GDPE student Lily Durkee and they work to share the excitement and beauty of paddling with BIPOC & allies. If you are interested in participating or volunteering, please sign up at [this link](#).

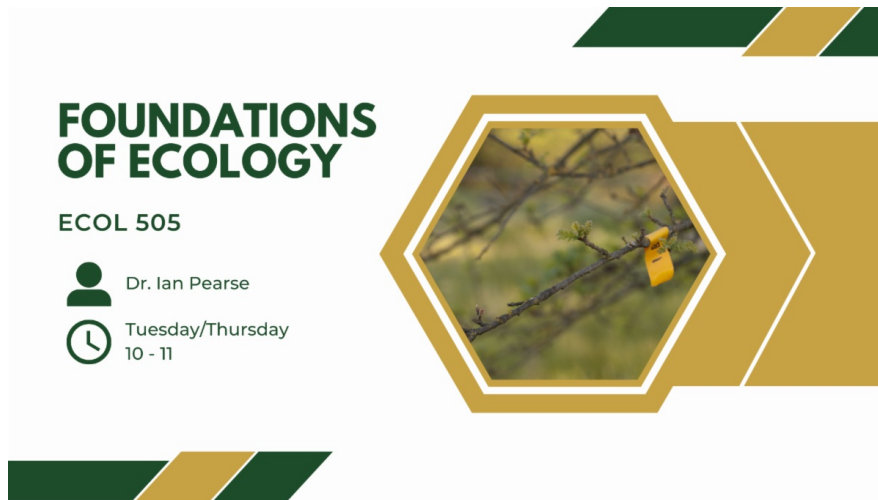


4TH ANNUAL
**Diversify Whitewater
Community River Float**
Northern Colorado

Join us for a fun, inclusive, and
free whitewater rafting
opportunity on the Cache la
Poudre River! Participants will
ride in rafts and inflatable kayaks
with experienced river guides.
First-timers are welcome and all
gear will be provided for you!


SIGNATURE EVENT
**June 10, 2023
9AM - 2PM**
Picnic Rock
Bellvue, CO


RIVERBENT
Chaco
30th ANNIVERSARY
SOCIETY OF MOUNTAIN ADVENTURERS



FOUNDATIONS OF ECOLOGY

ECOL 505

 Dr. Ian Pearse

 Tuesday/Thursday
10 - 11

The poster features a central hexagonal image of a tree branch with a yellow tag, set against a background of green and gold geometric shapes.

ECOL 505 Foundations of Ecology

Overview of the science of ecology; what questions are asked, how they are answered. This course is required for all GDPE students and is typically taken within the student's first year.



ECOSYSTEM ECOLOGY

ECOL 610 (CRN 69027)

 Dr. Joe von Fischer

 Tuesday/Thursday
9:30 - 10:45

The poster features an aerial view of a forest with green and orange trees, set against a dark green background with gold geometric shapes.

ECOL 610 Ecosystem Ecology

Concepts, methods, issues in ecosystem science: energy and matter cycling; systems perspectives, simulation modeling, sustainability, global change.



CONSERVATION MARKETING

JTC 792E (CRN 75203)

The Department of Journalism and Media Communication is offering a graduate course this fall on communication and behavior change theory and concepts to encourage individuals and communities to adopt conservation behaviors.

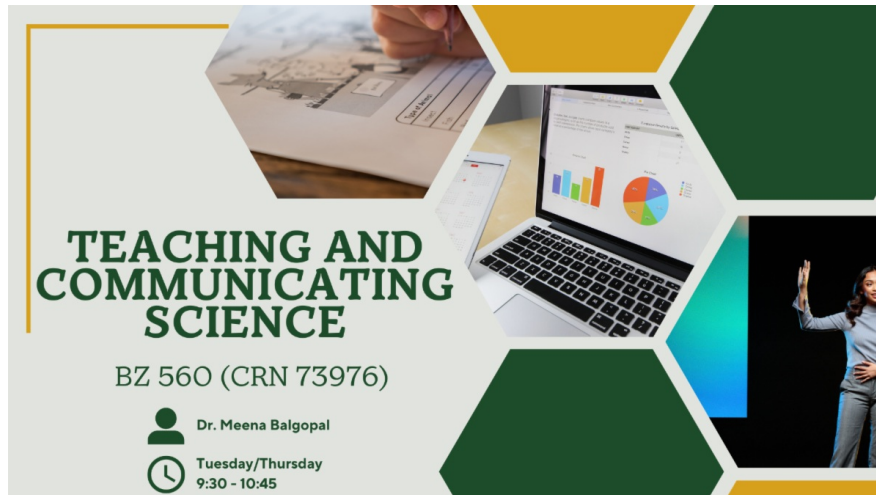
 Dr. Katie Abrams

 Tuesdays
3:00 - 5:50 PM

The poster features a close-up image of a red panda's face, set against a dark green background with gold and green geometric shapes.

JTC 792E Conservation Marketing

Study an emerging field of research and practice with roots in the well-established social marketing framework. This course will cover the social marketing framework in-depth as it applies to helping people to engage in conservation behavior with a special focus on the role of strategic communication. Course will include practical and academic applications of conservation marketing. Students benefit from having any foundation in quantitative social science research methods (e.g., surveys, experiments) or basic statistics before taking this class, though it is not required. Unique potential opportunity this fall: The class or select students may collaborate with nene.org to research and develop conservation marketing approaches to help protect nēnē in Hawai'i. Sample syllabus: <https://col.st/CMj0p>.



BZ 560 Teaching and Communicating Science

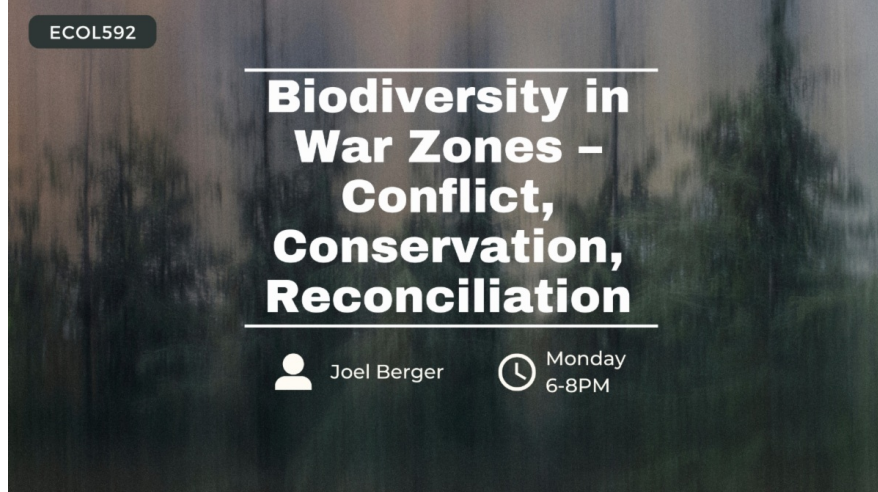
Nature of science, scientific reasoning, scientific argumentation, communication theories, and instructional strategies are explored. Develop science argumentation and communication skills in undergraduate courses and in informal settings. Create materials for a professional portfolio.



ECOL 592 Urban Ecology - Registration opening soon!

In this course, students will learn the history of urban ecology and how it has become the discipline it is today, build an understanding of urban ecosystems, consider human perceptions and interactions with urban ecosystems, identify management challenges within these systems, visit local green spaces that are managed by the City of Fort Collins Natural Areas Department, and discuss current literature on research conducted in an urban ecology setting.

Students will be evaluated on their participation in discussion and engagement with the material. There will be no assignments. However, the instructors will evaluate student performance based on participation in discussions and engagement with guest lecturers.



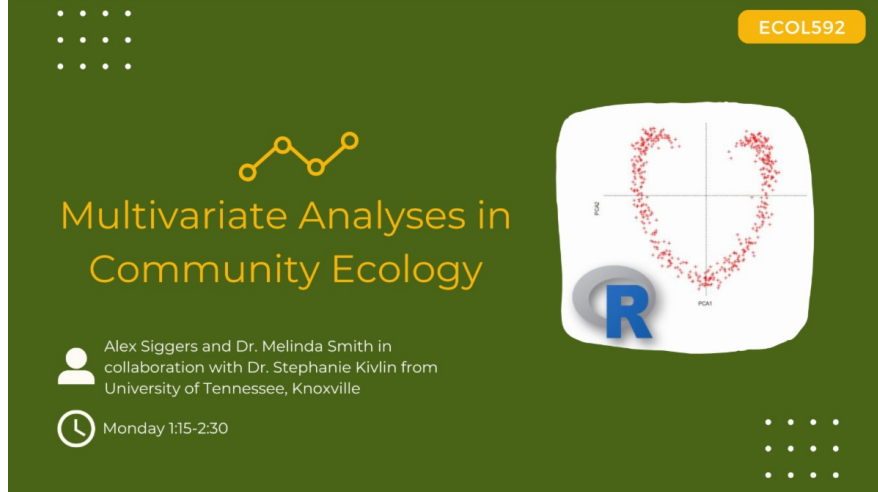
ECOL 592 Biodiversity in War Zones - Conflict, Conservation, Reconciliation - Registration opening soon!

This seminar will address three key questions: 1) Why do militarized border zones harbor extraordinary species diversity? 2) What lessons emanate from understanding risk in non-human communities? 3) How do scientists capitalize on acquired knowledge from refuge precincts to accomplish real conservation? We will assess how & why ecological communities flourish and fail when safety and danger persist. Animal models reveal we are not unique. The focus is to be international and national, and on to whom this matters. Grading will be based on two primary factors: a) a student led discussion based on assigned readings with other class attendees, and b) participation in class by all students reflected by understanding and questions about the assigned readings.



ECOL 592 Migrant Ecology and Conservation - Registration opening soon!

In this course we will review classic and modern papers in the field of migration ecology and conservation. Students will become familiar in the tools and methods available for studying migratory birds, the ways in which birds have been used as model systems in ecology and evolution, and the current challenges that birds are facing. Students will be assessed based on participation in discussions. They will also be assigned one or two weeks to lead the discussion and will be assessed based on their presentation and leadership.



ECOL 592 Multivariate Analyses in Community Ecology - Registration opening soon!

Analyzing ecological community data is tough. The good news is that many statistical approaches can be applied across scales- from bacteria to elephants! This course will examine common multivariate statistical approaches through a community ecology lens. We will incorporate Legendre's Numerical Ecology with case studies in R software. A few topics include: variance partitioning, spatial and temporal autocorrelation, principle component analysis, and phylogenetic covariance analyses. The course will be co-taught by instructors at CSU and University of Tennessee, Knoxville.

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 Sci Comm Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

Please note that inclusion of events and publications in the Digest is not an endorsement by GDPE

[Share your Recent Publication or Research Highlight](#)

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 Instagram (@CSU_GDPE). 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!

GDPE Slack Channel - Join our GPDE Slack channel [here](#).

GPDE Student Teams Channel - Join our Teams Channel [here](#).

[Submit Photos](#)

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



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY



CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,
Fort Collins, CO 80523-1021

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