Faculty Notice:

*Grades Due 2:00 pm Tuesday, May 19*

It is almost time to submit final Spring 2020 grades for students. This includes all ECOL courses such as ECOL 592, and research hours courses your graduate students may be enrolled in such as ECOL 698, 699 and 799. Grades are due no later than 2:00 pm on Tuesday, May 19th. The grade submission link in ARIESweb will close at that time to begin end of term processing. Grades submitted by 2:00 pm will be available for students to view in RAMweb starting Wednesday, May 20th. Details on submitting grades will be sent to the primary instructor of each course. Please contact the Office of the Registrar via Live Chat on this website ([registrar.colostate.edu](http://registrar.colostate.edu)) or by email ([registrarsoffice@colostate.edu](mailto:registrarsoffice@colostate.edu)) if you have any questions regarding grade submission.

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**GDPE EVENTS**

*For more ecology and other CSU events, please see Ecology & CSU events section.*

**POSTPONED:** Information on Spring 2020 DE speakers [here](#).

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**From your GDPE Admin Team**

Dear GDPE Community,

We are beginning finals week and thus, we are near completion of the Spring 2020 semester. Regarding how we will deliver classes in the fall or if we can host seminar speakers, we currently have no clear view (making 2020 the most inaccurately named year ever). But there are some things we do know. **First**, grades for ECOL classes (including research, dissertation and thesis hours) need to be turned in as usual. See information elsewhere in this Digest for procedures and deadlines. **Second**, in keeping with social distancing guidelines, we will not be able to hold our annual Spring GDPE meeting where we wrap up and celebrate the academic year. Hopefully, this activity will return next spring. **Third**, there are no graduation ceremonies to attend and thus, celebrating our GDPE graduates needs to take a different form. See this and past Digests for lists of our graduates. Please take the time to virtually congratulate them. **Finally**, we know that our new GDPE Director, Ruth Hufbauer, will be leading the program beginning July 1. The Interim Director, Alan Knapp, is gleefully stepping aside and he is particularly grateful to Assistant Director Jennifer Neuwald and Dawn M. Koschnitzki (GDPE Program Coordinator). They made sure GDPE operated smoothly during this transition year and spearheaded the rapid conversion to virtual operations in March. In short, Jennifer and Dawn deserve all the credit for keeping the GDPE ship afloat!

Stay healthy everyone.

~ Your GDPE Admin Team

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Previous GDPE Digests are now available on our website! Click on the link to access [GDPE Digest](#).
GDPE HIGHLIGHTS:
Spring 2020 Small Research Grant Recipients
This spring, we received twelve proposals and were able to offer funding to ten!

Emily Stuchiner (advisor: Joe von Fischer, BIO) for her proposal, "Managing Greenhouse Gases in Agriculture, adding organic C to soils to decrease N2O emissions."

Andreas Wion (advisor: Miranda Redmond, FRS) for his proposal, "Tree Recruitment on the Trailing Edge: Aridification and Dryland Forest Regeneration."

Amanda Cicchino (advisor: Chris Funk, BIO) for her proposal, "Uncovering trends in vulnerability to climate change within and among species."

Dani Lin Hunter (advisor: Meena Balgopal, BIO) for her proposal, "Competing expectations on citizen science project coordinators in conservation organizations."

Jemma Fadum (advisor: Ed Hall, ESS) for her proposal, "Using metagenomics to gain a mechanistic understanding of nitrogen biogeochemistry in tropical freshwater ecosystems."

Leena Vilonen (advisor: Mendy Smith, BIO) for her proposal, "Measuring resiliency of the grassland microbiome to drought."

Mary Linabury (advisor: Mendy Smith, BIO) for her proposal, "Pulse-press dynamics and the potential for regime shifts under global change drivers."

Shabana Hoosein (advisor: Mark Paschke, FRS) for her proposal, "The influence of plant richness on AMF communities using plant-soil feed."

Melody Zarria-Samanamud (advisor: Randy Boone, ESS) for her proposal, "Analysis of the Impacts of Climate Change on Pastoral Families and Landscape Dynamics in the Cordillera Blanca, Peru."


We would also like to take this opportunity to thank our faculty and student grant reviewers for their time and commitment to providing thoughtful and critical feedback on the proposals.

Spring Graduates 2020

Congratulations again to all our Spring 2020 Graduates:

- Theresa Barosh, Ph.D., "Plant-Plant Competition on the Mendota Unit oscillator between individuals and the consequences for seed reproduction."
- Ryan Paul, Ph.D., "Winners and Losers..."
Mediated Interactions Inform Integrated Pest Management

- **Sam Gersie, M.S.**, "Predicting Cattle Grazing Distributions: An Agent-Based Modeling Approach"

- **Vincent Landau, M.S.**, "Evaluating Habitat Suitability and Connectivity for the Endangered Northernmost Population of Jaguars (Panthera onca)"

- **Clinton Leach, Ph.D.**, "Big Fish Start Small"

- **Clifton Dyer McKee, Ph.D.**, "Evolutionary and Ecological Processes in Microparasite Communities https://www.usajobs.gov/GetJob/ViewDetails/567348300 of Bats"

- **Sam Mosier, Ph.D.**, "Mechanisms & Management for Soil Carbon Sequestration"

- **Ryan Schroeder, M.S.**, "Soil Seed Bank Composition and Implications for Ecological Restoration in Degraded Colorado Shrublands"

- **Cara Steger, Ph.D.**, Social-Ecological Models for Knowledge Co-Productin and Learning in Collaborative Environmental Management"

- **Tim Weinmann, M.S.**, "Terrestrial Ecosystem Responses to Long-term N-Loading at Loch Vale"

- **Brian Wolff, Ph.D.**, "Macroinvertebrate and Microbial Community Responses to Metal Stress as Measures of Ecological Recovery of a Restored Headwater Stream"

**Congratulations SoGES Sustainability Fellows in the GDPE Community!**

- **Shelby McClelland, Ph.D. Candidate**
  Department of Soil and Crop Sciences and Graduate Degree Program in Ecology
  Advisor: Meagan Schipanski

- **Laura van der Pol, Ph.D. Student**
  Department of Soil and Crop Sciences, Graduate Degree Program in Ecology and Natural Resource Ecology Laboratory
  Advisor: Francesca Cotrufo

- **Rebecca Cheeck, Ph.D. Candidate**
  Department of Biology and Graduate Degree Program in Ecology
  Advisor: W. Chris Funk

- **Danielle Lin Hunter, Ph.D. Candidate**
  Department of Biology and Graduate Degree Program in Ecology
  Advisor: Meena Balgopal

- **Alexander Mauro, Ph.D. Candidate**
  Department of Biology and Graduate Degree Program in Ecology
  Advisor: Cameron Ghalambor

- **Kristin Davis, Ph.D. Student**
  Department of Fish, Wildlife, and Conservation Biology and Graduate Degree Program in Ecology
  Advisor: Liba Pejchar

- **Nathan Hahn, Ph.D. Candidate**
  Department of Fish, Wildlife, and Conservation Biology and Graduate Degree Program in Ecology
  Advisor: George Wittemyer

**DEADLINES**

**GDPE Course Information**

[Fall 2020 course info will be posted later this semester]

*Proposals for ECOL592 seminars for Fall 2020 can be submitted on-line [here](#)*
Friday, May 15:
GS25B "Departmental Requirements Clearance" due to the Graduate School
Reminder: Per your GS25, the Department Requirement you need to submit to GDPE is: Complete exit interview (here)
Please coordinate with our Program Coordinator, Dawn Koschnitzki, to get your GS25b signed and submitted.

Friday, May 15
The Department of biology is recruiting GTAs for fall 2020. Application can be found here.

If you are assigned to teach LIFE 102, LIFE 103, BZ105, BZ111, BZ120, BZ310, you are required to attend an organizational lab meeting scheduled during the week before classes begin. Donna Weedman, Lab Coordinator for the Department of Biology, will e-mail you the date and time for the course to which they are assigned. If students cannot attend this meeting, they will forfeit the GTA nomination.

Tuesday, May 26 – by 4:30 pm (MT)
SUMMER 2020 GRADUATES – Deadline to Apply to Graduate
Deadline for GS25 Application for Graduation
(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.

General Registration Deadlines

Find all of the registration deadline details on the CSU Registrar's website here.

Obtaining Signatures
Degree Deadlines
Student Forms
GDPE Grad Student Survey

Upcoming Courses of Interest
◆ PPA 540 Toolkit for International Policy Practitioners
The course will first be offered online in SU20 and then both face-to-face and online thereafter. More info here

Wildlife Disease Science for Application to Risk Assessment and Control Seminar

GDPE Teaching Fellows Program

All paperwork: Please drop all paperwork at the GDPE office (Johnson Hall 102), and Dawn will 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 ExComm Student Representatives, Shelby McClelland and Erika Peirce 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 look forward to seeing you on Twitter throughout the semester!

The GDPE Conference Room - Johnson Hall 132 is available for meetings. Please contact Dawn Koschnitzki if you would like to reserve this space Conference Room Request Form

Submitting Announcements
Student Success: Let us know if you've gotten a paper accepted, won an award, or received a grant by emailing our Science Communication Fellow, Arianna Punzalan.

Information for Digest: Please submit details here for consideration. If you have questions about this, please contact our Program Coordinator, Dawn Koschnitzki.

Submit Photos

ECOLOGY & CSU EVENTS
UPCOMING:

Upcoming Defense Seminars:

Upcoming Events:
GRAD Virtual Hour with the Associate Dean – the graduate community is invited to join the sessions Mondays from 2 p.m. – 3 p.m. Find instructions to get started at graduateschool.colostate.edu/virtualhour/

6/1–6/5 Workshop on Scaling Up sponsored by ESA and NEON Fully funded week long workshop for graduate students (MS and PhD) to learn how
Online Seminar for Society for Ecological Restoration Student Club
to manage big data sets and programing with R, hosted at NEON in Boulder, CO from June 1-5, 2020. The deadline to apply is February 28, 2020. More info here.

7/12-7/18 Alpine Plant Ecology - International Summer School. Jointly organized the University of Basel and ALPFOR Info Flyer

RESOURCES

**R-user group**: Wednesdays 3-5 pm NR 256 Sign up for updates or to contact the group. Questions.

**Coming Out, Being Out, and Questioning** Support Group. Email Jessie Charbonneau for details.

**CSU Writes**: Show up & write. Drop-in writing sessions provide faculty and graduate students a designated time and place to "show up & write."

**CSU Health Network Therapy**: CSUHN has individual and group counseling as well as workshops and are available for students for free.

**Data and Donuts - Data Management Made Tasty**: Good data management practices are becoming increasingly important in the digital age. Learn how you can improve your data management.

**Coding and Cookies - Everything is better with cookies. Especially data**: Sessions are focused on coding in R.

**CSU Writing Center**
Every year the CSU Writing Center works with hundreds of graduate students from across the curriculum. Many of those graduate students have requested that we offer longer consultations for work on dissertations, theses, and professional writing projects. We're happy to announce that hour-long consultations are now available. Whether you're developing a literature review, working to understand reviewers' comments, or trying to master a new genre of writing, we can help. Just make an Hour-Long Appointment Request. Questions? Contact us at writing@colostate.edu or 970-391-0222.

**Geospatial Graduate Students Club**: Anyone interested in geospatial applications is welcome. Click here to learn more!

**Society for Ecological Restoration- Rocky Mountains Chapter (SER-RM)**
Visit website. Follow Facebook page or Twitter Graduate Researchers Across

**Microbiomes (GRAM)**: Would like to invite any graduate students or post-docs with involvement or interest in microbiome research to join our student organization. We will be meeting monthly this fall on the third Tuesday of every month at the Marmot.

**NREL's EcoAcademy** offers opportunities for students, scientists, environmental professionals, and K-12 teachers to learn from our over 50 years experience as a leader in the field of ecosystem science. From these classes, participants will learn cutting edge techniques from faculty and researchers that have been cited over 74,000 times since 2014. These non-credit courses can provide you with skills and hands on experience to take your research to next level science.

GRANTS / JOBS

**Science Communication Liaison**
COMPASS and the National Center for Ecological Analysis and Synthesis (NCEAS) are hiring for a
The primary objectives for this post-doctoral position are: use ultrasonic recordings from NABAT monitoring data collected across North America to develop species classification algorithms using machine learning approaches; develop and implement generalizable statistical procedures for measuring uncertainty in species classifications; develop tools and metrics for model comparison that can be deployed via cloud infrastructure.

**Research Ecologist**
Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperator driven and provides scientific basis for management and policy decisions. Serve as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups.

**Research Ecologist**
Organizing and conducting research on non-native reptiles with an emphasis on brown treesnakes. Writing research reports (including manuscripts for publication in peer-reviewed journals), technical reports, outreach/educational materials, and similar products in collaboration with the Project Leader and/or co-investigators. Providing technical assistance, especially regarding data management. Maintaining communication with clients, the center and the scientific community.

**Quantitative Fishery Position**
Michigan State University has immediate openings in the Quantitative Fisheries Center for PhD students and can accommodate those interested in starting summer or fall 2020. Successful applicant will have background/aptitude/interest in population dynamics, mathematical modeling of fish populations and communities, statistics and application of modeling results to fisheries management, and/or decision making for natural resources management. Learn more [here](#).

**Postdoctoral Researcher**
The postdoctoral researcher will be involved in the framework of the CAPACITY (Climate and Plant hydraulics controls on drought prediction uncertainty in a new-generation Terrestrial system model) project funded by the Luxembourg National Research Fund (FNR). The project will tackle the challenges of investigating the controls of plant hydraulic traits on the drought predictive uncertainties across different ecosystems, regions, and the entire European continent under past and future climatic conditions. More information [here](#).

**Research Wildlife Biologist**
Design and conducts research concerning the conservation of migratory birds and their habitats; develop new information to meet the needs of resource managers. Develop statistical models on temporal and spatial distribution of avian populations relative to ecology, habitat requirements, effects of habitat manipulations, and environmental stressors of waterbirds. Application can be found [here](#).
Fire and Ecosystem Service Extern

The Nature Conservancy seeks a graduate student extern to work on a meta-analysis to synthesize existing data examining the role of prescribed fire on multiple ecosystem aspects. The externship will run from mid-May to mid-August 2020 and will provide a $6000 grant to pay the student’s summer salary plus additional fringe benefits. Learn more [here](#).

Life 102/103 Teacher’s Assistant

The Graduate Degree Program in Ecology is seeking two 20-hour Graduate Teaching Assistants (GTA) for LIFE 102 or 103 for Fall Semester 2020. The course assignment will depend on the background and qualifications of the candidate, as well as where help is needed most. Application can be found [here](#).

McPherson Graduate Scholarship

Two McPherson Graduate Scholarships will be available for the academic year of 2020-2021. Each scholarship carries an award of $10,000 (renewable), plus resident tuition. The scholarships are awarded to new applicants to Colorado State University’s Graduate School and cover the first year of graduate study with the opportunity for renewal by applying for renewal in the second year. To be eligible for the scholarship, individuals must have completed their bachelor degrees at Adams State University, preferably, or be current or former residents of the San Luis Valley in Colorado. Recipients of the McPherson Undergraduate Scholarship are eligible as well. Email application to Ludy.avalos@colostate.edu by May 15, 2020 for preferred consideration. Applications will be accepted until May 30, 2020. Application [here](#).

Postdoctoral Research Scientist

The project will identify and evaluate potential management strategies towards recovery of the Federally Endangered Shenandoah salamander within Shenandoah National Park. Managers at Shenandoah National Park need validated information to better manage the endangered Shenandoah salamander in the face of climate change. Prior work indicates that, given the endangered status of the species and the large degree of uncertainty in climate change projections development of ecological and decision models are needed to prepare for a management review of options. Learn more [here](#).

Peace Corp Campus Recruiter:

The Peace Corps Strategic Campus Recruiter will increase awareness of Peace Corps Volunteer opportunities on campus and in the surrounding community through a variety of recruitment activities, including, but not limited to: delivering class or club presentations, tabling in public, high-traffic areas on campus and/or at career fairs, organizing and facilitating application workshops and retention events, and developing relationships with key stakeholders on campus. More [information](#).

Assistant, Associate, or Full Professor, University of Nebraska-Lincoln

The Nebraska Cooperative Fish and Wildlife Research Unit is seeking an Assistant Unit Leader. Cooperative Research Units exist in partnership with the host university, state wildlife

Assistant Unit Leader New Mexico

Research Ecologist/Wildlife Biologist within the New Mexico Cooperative Fish & Wildlife Research Unit looks like if you’ve worked with our feathered game bird friends you might have an edge for this one. [Info](#)

Assistant Professor of Fisheries Ecology at NMSU

Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperator driven and provide scientific basis for management and policy decisions. [Info](#)

Post doctoral Position In Global Change and Spatial Modeling at UC Berkeley

A postdoctoral position is available with the Grinnell Resurvey Project under the direction of Professor Steve Beissinger at UC Berkeley in the Museum of Vertebrate Zoology (MVZ). This project is funded by NSF to resample birds and mammals in California at sites originally visited by Joseph Grinnell and colleagues in the early 20th century in order to understand how climate and land-use change have affected species’ turnover during the past century in California. [Info](#)

Ecological Statistics

The analytic methods include, but are not limited to, Bayesian occupancy modeling including recent developments for false positives and count detection data; general and generalized linear models and mixed models; multivariate methods; Bayesian methods and design-assisted methods. The nature of the collaborative work requires knowledge and experience in ecology. [Info](#)

CSU Extension: Summer Help Needed

It is the time of year when CSU Extension is recruiting educators (and supervisors) for ENOR summer day camp and for AmeriCorps STEM programs for disadvantaged youth. [STEM AmeriCorps, ENOR Educator, ENOR Supervisor](#)

The Department of Fish, Wildlife & Conservation Ecology, New Mexico State University Assistant Professor – Fisheries Ecologist

The Department of Fish, Wildlife and Conservation Ecology at New Mexico State University
Biology Statistician
Provide analytical support for the first “State of Bats” report and other conservation assessments as directed. Analyze data gathered by other agencies for assessing status and temporal trajectories of bat population using community occupancy models and/or extensions. More information can be found here.

Research Assistantship Opportunity: Climate Change Adaptation Science Assistant
The National Park Service (NPS) Climate Change Response Program (CCRP) seeks one qualified graduate student to contribute to numerous ongoing climate change adaptation activities supporting management of national parks. The selected candidate will support NPS scientists in developing and applying sound science to identify, inform, implement, and evaluate the application of climate change adaptation strategies across the U.S. National Park System. Open until filled. Info

COVID-19 Info and Resources
These online resources have been sent out in other Graduate School correspondence and can be found on the Graduate Student Council webpage. We hope that by copying them here for you that you become aware of these resources and share them with other colleagues and students.

Graduate School COVID-19 webpage – updates to Covid-19 exceptions to policies and deadlines for graduate students
Graduate School Virtual Office Hours – faculty, students, and program coordinators can get their questions answered by virtual chat on Mondays 2-3 and Thursdays 8-9
Virtual Mentor Monday
Support for GTAs Survey
Grad School Event Calendar – check here for future, virtual professional development opportunities
Virtual CSU Writes

CSU Mental Health info on anxiety around COVID-19
Silvercloud – online support for students, postdocs, faculty seeking help with depression, anxiety, stress, resilience, or sleep
Rams Against Hunger – Food Insecurity
You @ CSU – online support for students, postdocs, faculty to help them maintain productivity, succeed, thrive, and matter. It has goal setting and support options as well as useful articles on issues like procrastination that may be exacerbated by COVID-19.
CSU Safety: COVID-19 Information - University wide updates and protocol regarding COVID-19