EVS 3000 L - Environmental Science Lab
FALL 2021

Instructors

Monday Lab:
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Office Hours: by appointment

Wednesday Lab:
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Office Hours: by appointment

Class Meeting Schedule and Location

Monday or Wednesday, 8:30AM to 11:30 AM (Periods 2-4). The location of the class will vary by week with some labs taking place outside and sometimes off campus. The instructor will notify the students of the class meeting location in advance. Students must attend the lab section they are enrolled in.

Course Description

Hands-on experience and exposure to data collection and analysis for environmental science, and the many varied professional trajectories in environmental science.

Prerequisites

CHM 2045 or CHM 2047 or CHM 2095

Course Materials

There are no required textbooks. Readings will be made available via Canvas.

Course Objectives

Environmental science is an interdisciplinary field of study that combines physical, biological, and information science to understand the interactions and effects of natural and anthropogenic processes on the environment. Because of the diversity and interconnectedness of all aspects of human-environment relationships, environmental science careers are equally varied. Environmental scientists work on problems spanning biogeochemical cycles, energy systems, pollution control and mitigation, natural resource management, and much more!

Our objective in this lab is to give you exposure to the diversity in environmental careers, an introduction to some methods and approaches in environmental studies research, and professional development opportunities to help you progress in the field.

Lab activities will break roughly into three categories:
- Career exploration activities, where we will either hear from an environmental science professional about their career trajectory, or you will be asked to research an aspect of environmental science careers that interests you.
- Research approaches exercises, where we will introduce you to common methods for studying environmental problems from different perspectives, including policy, human

dimensions, and biology. This will include hands-on sampling projects as well as how to do basic statistical analysis.
- Professional development activities, where we will focus on key practical skills for professional behavior, finding career opportunities that interest you, and preparing compelling application materials.

These activities correspond to the three primary learning outcomes for the course. At the conclusion of this course, students will:
- Have gained a basic understanding of the many possible professional trajectories in Environmental Science and be able to research environmental career opportunities and evaluate how they fit with students' current skills and long-term training and career objectives.
- Plan and execute basic research projects to address questions in the natural and social dimensions of environmental science.
- Generate professional communications and application materials for career opportunities.

Communication
All course communication outside of class and office hours will be done through Canvas and your UF email. You are responsible for checking both regularly to keep up to date. If you have questions or need help outside of class or office hours, we will try to respond to email and chat messages quickly. Please allow at least 24 hours to hear back from us - this means you may want to work on your assignments early, so you have time to reach out to us if you run into any sticking points.

Weekly Schedule (subject to change):

Week	Topic
1 (Aug 23)	Welcome/Introductions Course Overview
2 (Aug 30)	Ecological Field Methods Part 1
3 (Sep 6) Monday Holiday (No Monday class)	Biodiversity Conservation
4 (Sep 13)	Ecological Field Methods Part 2
5 (Sept 20)	Data Analysis
6 (Sep 27)	Land Management and Conservation
7 (Oct 4)	Environmental Education

8 (Oct 11)	Food Systems, Agriculture, & Waste
9 (Oct 18)	Environmental Policy/Law
10 (Oct 25)	Equity, Diversity, & Inclusion
11 (Nov 1)	Aquatic Ecology, Conservation, and Pollution
12 (Nov 8)	Climate Change
13 (Nov 15)	Sustainable Energy
14 (Nov 22) Thanksgiving Week (No Wednesday class)	Biodiversity Conservation (recording from Week 3, Monday section will not meet in person)
15 (Nov 29)	Careers & Resume/CV
16 (Dec 6)	Environmental Justice Course wrap-up

Attendance and Participation

Since this is a lab, attendance and participation is important. Attendance will be taken each week that class meets in-person. Participation credit will be determined based on your interactions, questions, comments, punctuality, and attentiveness. Cell phone and computer use during inappropriate times (e.g., presentations by classmates, instructors, and guests) will result in point deductions. Students are required to ride with the group to off-campus sites. If you are not at the designated meeting point at the scheduled departure time, we will leave without you, and you will receive a 0 for participation and attendance that day. We expect you to interact in a polite and professional manner with your instructors, classmates, and the environmental professionals we will meet with.

A single *no-questions-asked* absence will be allowed without point deductions. However, students will need to contact their instructor regarding a make-up lab assignment in order to earn the points for that day of lab. This make-up assignment will be due within two weeks of the missed class date. After 1 absence, students need to communicate and work with their instructor on a plan to make up missed labs. These situations will be handled on a case-by-case basis; we recognize that students may face unexpected challenges during the semester; please contact your instructor as soon as possible if this is the case.

Final Project

For your final project, you will write up a short report synthesizing the policy, social, and biological dimensions of an environmental situation of interest to you. We will provide more details by mid-term.

Late Policy

Late assignments will be marked down by 10% each week they are late. If circumstances change such that you have trouble completing either the final project or multiple weekly assignments on time, we encourage you to get in touch with your instructor.

Proper Attire

Proper attire may vary based on the conditions and the environment we will be in. Several of the class trips require closed-toed shoes and long pants. There will be times when you may wish to wear boots, as we may be in wet, muddy locations. Also, we may experience inclement weather such as rain. Please check the forecast and have rain gear when appropriate. Please contact your instructor if you need assistance in acquiring appropriate attire. <u>Additionally, we highly encourage everyone to wear masks when class meets indoors</u>. Announcements will be posted on Canvas/emailed each week to give further direction regarding appropriate attire for the upcoming field trip.

Course Adjustments

We are all continuing to work with unprecedented situations in all aspects of life this semester, and we expect we will need to adapt as conditions change. For our part, we will keep you informed as we make decisions about the course. Any changes to the schedule or assignments will be announced via Canvas and updated on the Canvas calendar. If you encounter new circumstances or challenges this semester that affect your ability to do the assignments as designed, please reach out to us and we will try to find a solution that supports your well-being and helps you get the most possible out of this course. The sooner you open a line of communication with us, the better-positioned we will be to figure something out. We understand that these are unpredictable times and you should not hesitate to get in touch with us at any point.

Course Grading

Component	Percent
Attendance/Participation	60%
Weekly Assignments	15%
Final project	25%
Total	**100%**

Grading Scale

A	93.0-100%	A-	90.0-92.9%	B+	87.0-89.9%
B	83.0-86.9%	B-	80.0-82.9%	C+	77.0-79.9%
C	73.0-76.9%	C-	70.0-72.9%	D+	67.0-69.9%
D	63.0-67.9%	D-	60.0-62.9%	F	<60.0%

Grades and Grade Points

For information on current UF policies for assigning grade points, see:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Course Evaluation Process
Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at: https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at: https://gatorevals.aa.ufl.edu/public-results/.

Zoom Policy
Our sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during a Zoom session and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during a Zoom session, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Canvas Display Name Change
Canvas uses the "Display Name" as set in myUFL. The Display Name is what you want people to see in the UF Directory, such as "Ally" instead of "Allison." To update your display name, go to one.ufl.edu, click on the dropdown at the top right, and select "Directory Profile." Click "Edit" on the right of the name panel, uncheck "Use my legal name" under "Display Name," update how you wish your name to be displayed, and click "Submit" at the bottom. This change may take up to 24 hours to appear in Canvas. This does not change your legal name for official UF records.

Academic Honesty
As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge*: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should

report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/

Software Use
All faculty, staff, and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources
Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu/cwc/
       Counseling Services
       Groups and Workshops
       Outreach and Consultation
       Self-Help Library
       Training Programs

U Matter We Care, **www.umatter.ufl.edu/**

Career Connections Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/

Services for Students with Disabilities
The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

0001 Reid Hall, 392-8565, www.dso.ufl.edu/drc/