# Introduction to Soils in the Environment Lab (1 credit)

### **Course Details**

Course delivery	Synchronous Lectures and Labs Location: Bld 162, Rm 17				
	Canvas Course Management   https://elearning.ufl.edu/				
4 Lab Sections	Tuesday 12-50-2:45 pm   Tuesday 3:00-4:55pm Thursday 12-50-2:45 pm   Thursday 3:00-4:55pm				
Attendance	Mandatory				
Pre/Co-requisite	SWS3022 Intro.to Soils in the Environment (3-credit lecture)				
Instructor	Heather Enloe, Ph.D.   Soil, Water, & Ecosystem Sciences Dept. 2167 McCarty Hall A, P.O. Box 110290, Gainesville, FL 32611 Phone: 352-294-3139.				
TAs	Nikhel and Oran Graduate Research Assistants   Soil, Water, & Ecosystem Sciences				
Office Hours	<ul> <li>✓ Wednesday 9 am to 11 am (Soils Teaching Lab),</li> <li>✓ After your scheduled Lab section,</li> <li>✓ Or schedule an appointment.</li> </ul>				
Week-At-A-Glance	М	Т	W	Th	F
			9:30 – 11:00 am office hours		
	•	12:50 — 2:45 pm Class #15125	•	12:50 – 2:45 pm Class #15124	•
	•	3:00 – 4:55 pm Class #15126	•	3:00 – 4:55 pm Class #15106	•

#### **Communication Expectations**

- If the question can wait until your lab day/time or office hours, **DO** wait until then.
- If the question cannot wait, **DO** use Canvas email.
- **DO NOT** use Outlook (@ufl.edu) for class related email.
- If you have an accommodation or observance, **DO** upload the appropriate paperwork into the Canvas Assignment "I have an accommodation or observance".
- If the question refers to an absence or grade, **DO** use the Canvas Assignment "Student-Instructor Communication"
- If you miss 2+ weeks of this course, **DO** initiate an Instructor Notification with UF CARE. Google their website now and familiarize yourself with their services.
- For all other questions, contact both the instructor and TA through Canvas email. Expect up to a 24-to-48-hour delay (weekends & holiday time is not included).

### **Course Objectives**

- Visualize and measure essential soil physical, chemical, and morphological properties.
- Practice the concepts presented in the lecture course (SWS3022) through experiments, word problems, demonstrations, & calculations.

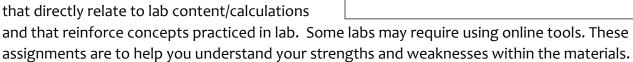
### **Class Safety Expectations**

.Lab Demeanor. Follow directions provided with each lab and lab experiment.

.Lab Dress. Shirts that cover your shoulders, back, stomach, and collarbone. Long pants. Closed toe shoes.

### **Course Assessments**

- .Lab Participation is graded based on attendance, following directions, being engaged, and thoughtful reflection on your progress in the course. I will be looking for a demonstration of teamwork and soft skills. Specific details and feedback provided during the first two full weeks of classes.
- .Lab Activity Assignments are completed using the handouts from that week's lab. These assignments are in a quiz format with questions that directly relate to lab content/calculations



.No Exams. No physical presence is required during Reading Week and Finals Week.

## **Grading Policy & Course Grading Structure**

Course grading is consistent with <u>UF grading policies</u>. If the link is broken, Google "UF UGRD" and "grading policies".

The instructor reserves the right to **add 0-2 points to the final percentage score** based on meaningful lab participation, demonstrated student growth over the semester.

Letter Grade	Range	
А	100%	to 90%
B+	< 90%	to 88%
В	< 88%	to 80%
C+	< 80%	to 78%
С	< 78%	to 70%
D	< 70%	to 68%
F	< 68%	to 0%

✓ Weight final grade based on assignment groups				
Lab Participation (%)	50	<u>^</u>		
Lab Activity Assignments (%)	20	<u>\</u>		
Group Presentations (%)	15	<u>\</u>		
Lessons (%)	15	<u>\</u>		
Student-Instructor Communication Tools (%)	0	<u> </u>		
Total		100%		

## **Topic Schedule**

✓ Topics & dates may change. You will be notified through Canvas regarding any changes.

Date	Lab	Topic	Attendance + Notebook Check	Due In Canvas		
Introduction						
Aug-21	0	Course Expectations + Syllabus	Optional	None		
Aug-26 & 28	1	Fundamentals of Soil	During Lab	Pre-Lab 1 Lesson		
Sep-2 & Sep-4	2	Soil Color	During Lab	Lab 1 Activity		
Soil Physical Properties						
Sep-9 & Sep-11	3	Soil Texture	During Lab	Lab 2 Activity		
Sep-16 & Sep-18	4	Soil Bulk Density	During Lab	Lab 3 Activity		
Sep-23 & Sep-25	5	Soil Water Content	During Lab	Lab 4 Activity		
Sep-30 & Oct-2	6	Soil Water Flow	During Lab	Lab 5 Activity		
Soil Chemical & Microbiological Properties						
Oct-7 & Oct-9	7	No Class (TUE); Soil Orders (TH)	During Lab	Lab 6 Activity		
Oct-14 & Oct-16	8	Soil Orders (TUE); No class (TH)	During Lab	Lab 7 Activity		
Oct-21 & Oct-23	9	Soil Minerals & CEC; Soil Organic Matter	During Lab	Lab 8 Activity		
Oct-28 & Oct-30		Soil pH & Acidity; Grp Proj Info	During Lab	Lab 9 Activity		
Synthesis	10					
Nov-4 & Nov-6	11	Soil Orders & Soil Formation	During Lab	WSS Activity		
Nov-11 & Nov-13		Group Project Preparation	In Canvas	Topic ID		
Nov-18 & Nov-20		Group Project Presentations	During Lab	Upload ?'s		
Nov-25 & Nov-27		University Holiday!				
Dec-2		Optional Make-up Lab	None	None		
Dec-10 & Dec-12		Final's Week.	Done!	Done!		

<sup>\*</sup>Physical Presence Required for Labs 1-11 and Group Project Presentations.

#### **Academic Policies & Resources**

Academic policies for this course are consistent with university policies. See <a href="https://syllabus.ufl.edu/syllabus-policy/uf-syllabus-policy-links/">https://syllabus.ufl.edu/syllabus-policy/uf-syllabus-policy-links/</a>

## **Technical Support**

. UF Computing Help Desk & Ticket Number: All technical issues require a UF Helpdesk Ticket Number. The UF Helpdesk is available 24 hours a day, 7 days a week. https://helpdesk.ufl.edu/ | 352-392-4357

### **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.