

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	✓ Wednesday 9 am to 11 am (Soils Teaching Lab), ✓ After your scheduled Lab section, ✓ Or schedule an appointment.																				
Week-At-A-Glance	<table><tr><th>M</th><th>T</th><th>W</th><th>Th</th><th>F</th></tr><tr><td>.</td><td>.</td><td>9:30 – 11:00 am office hours</td><td>.</td><td>.</td></tr><tr><td>.</td><td>12:50 – 2:45 pm Class #15125</td><td>.</td><td>12:50 – 2:45 pm Class #15124</td><td>.</td></tr><tr><td>.</td><td>3:00 – 4:55 pm Class #15126</td><td>.</td><td>3:00 – 4:55 pm Class #15106</td><td>.</td></tr></table>	M	T	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	.
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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 and that reinforce concepts practiced in lab. Some labs may require using online tools. These assignments are to help you understand your strengths and weaknesses within the materials.

☒ Weight final grade based on assignment groups

Lab Participation (%)	50	^ v
Lab Activity Assignments (%)	20	^ v
Group Presentations (%)	15	^ v
Lessons (%)	15	^ v
Student-Instructor Communication Tools (%)	0	^ v
Total	100%	

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

Grading Policy & Course Grading Structure

Course grading is consistent with [UF grading policies](#). 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	
A	100%	to 90%
B+	< 90%	to 88%
B	< 88%	to 80%
C+	< 80%	to 78%
C	< 78%	to 70%
D	< 70%	to 68%
F	< 68%	to 0%

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				
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!

*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 <https://syllabus.ufl.edu/syllabus-policy/uf-syllabus-policy-links/>

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.