

ENVIR SC/ EARTH SC 2B03

Soils and the Environment

Fall 2064: TENTATIVE Schedule for TAs/Lab Sections

<i>Mac Week</i>	<i>Lecture #</i>	<i>Date</i>	<i>Chapt</i>	<i>Topic Lab/Assignment Schedule</i>	<i>Topic Lab/Assignment Schedule</i>
1	1	8-Sept	1	Overview. Ch 1.	
	2		1		
2	3		2	Introduction to	
	4		2	Soil Formation	
3	5		2	Soil Physical Properties.	
	6		4	Ch 4	
4	7		4	Soil Water. Ch 5	(Mon Sept 26th) Lab 1 – Soil Physical Characteristics (7% of grade)
	8		5		
5	9	6-Oct	5	Soil Water. Ch 5 , 6	
6					
		10 to 16 Oct		Midterm Recess	
7	10	17-Oct	6	Soil Water. Ch 6	(Mon Oct 17 th) Lab 2 – Particle Size Analysis (7% of grade)
	11		6		
8	12		7	Soil Temperature Ch 7	Week 9 - 10(Mon Oct 31 st) Lab 3 – Darcy’s Law (11% of grade)
		27-OCT	1,2,4-7	MIDTERM EXAM	
9			-		
	13	31-Oct	8	Soil Colloids Ch 8	
10	14		3,ATL	Soil Classification. Ch 3	
	15		11	Soil Organisms.Ch 10	
11	16		12	Soil Organic Matter	
	17		12	Ch 11	
12	18		17	Soil Erosion Ch 15	
	19		17		
13	20		1, 2, 4	Wrap-up & Review	
	21	5-Dec	to 8,11, 12, 17		

Lab Marks – 25% of final grade.

	Lab 1	Lab 2	Lab 3
% for lab/assign	7%	7%	11

Required Reading - Elements of the Nature and Properties of Soils, Edition 15, 2017; Brady & Weil
Chapters: 1:all; 2: all; 3: 3.1 to 3.4; 3.18 and Appendix A.; 4: all; 5: all; 6: all; 7: all; 8:
8.1 to 8.4 and 8.7 to 8.13.; 11: all; 12: all; 17:all