

Fall 2006 - CSES 3114 – Soils

Detailed Schedule

<u>Date</u>	<u>Topic</u>	<u>Reading from Brady/Weil</u>
8/22	Organization & Introduction (WLD)	Chapter 1
8/24	Introduction to Soils (WLD)	Chapter 1
8/29	Weathering and Parent Material (WLD)	Chapter 2
8/31	Soil Forming Factors (WLD)	Chapter 2
9/5	Soil Profiles and Diagnostic Horizons (WLD)	Chapter 2/3
9/7	Soil Orders (WLD)	Chapter 3
9/12	Soil Physical Properties (M. Beck)	Chapter 4
9/14	Soil Taxonomy & Maps (WLD)	Chapter 3
9/19	Soil Physical Properties (WLD)	Chapter 4
<u>9/21</u>	Soil Water - Basics (MJE)	Chapter 5
	<u>Quiz #1 (1:00 – 1:45 pm – Chaps. 1-3)</u>	
9/26	Soil Water Movement (MJE)	Chapter 5
9/28	Soil Water – Plant Relations (MJE)	Chapter 5
10/3	Soil Aeration/Redox (MJE)	Chapter 7
10/5	Soil Temperature (MJE)	Chapter 7
10/10	Soil Colloids - Basics (MJE)	Chapter 8
10/12	Soil Cation Exch. Capacity (MJE)	Chapter 8
<u>10/17</u>	Soil Colloids & Surface Chemistry (MJE)	Chapter 8/9
	<u>Quiz #2 (1:00 – 1:45 pm – Chaps. 4,5,7)</u>	
10/19	Soil Acidity/Alkalinity (MJE)	Chapter 9
10/24	Liming and pH relationships (MJE)	Chapter 9/10
10/26	Saline - Sodic Soils (MJE)	Chapter 10
10/31	Soil Organisms (WLD)	Chapter 11
11/2	Organisms (WLD)	Chapter 11
<u>11/7</u>	Organisms and Organic Matter (WLD)	Chapter 11/12
	<u>Quiz #3 (1:00 -1:45 pm – Chaps. 8-10)</u>	
11/9	Organic Matter (WLD)	Chapter 12
11/14	Phosphorus (MJE)	Chapter 14
11/16	Potassium (MJE)	Chapter 14
11/28	Organic Matter and N (WLD)	Chapter 12/13
11/30	Nitrogen and Sulfur (WLD)	Chapter 13
12/5	Micronutrients/Heavy Metals (MJE)	Chapter 15
<u>12/14 (Thursday)</u>	<u>(1:05 pm) Final Exam (Comprehensive; 50% on Chaps 11-15)</u>	

WLD = W. Lee Daniels

MJE = Matt J. Eick