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FOR 210.01: Introductory Soils

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**Forestry 210 - Introductory Soils
Fall 2007
Dr. Cory C. Cleveland**

Syllabus

Tentative Schedule			Required Reading
<u>Date</u>	<u>Class</u>	<u>Topic</u>	<u>Chapter (Opt. Text)</u>
8/27	1	Introduction / Soils and History	
8/29	2	Soils as a Complex System	1 (1)
9/03		Holiday: Labor Day	
9/05	3	Geology and Parent Material	2.1-2.12
9/10	4	Soil Genesis: Climate and Biology	2.13-2.14 (7)
9/12	5	Soil Genesis: Topography and Time	2.15-2.17 (7)
9/17	6	Soil Morphology	2.18, 3.1-3.2 (8)
9/19	7	Soil Classification I	3.3-3.8 (9)
9/24	8	Soil Classification II	3.9-3.16 (9)
9/26	9	Soil Physical Properties	4.1-4.7 (2)
10/01	10	Midterm 1: Soil Genesis, Morphology and Classification	
10/03G	11	Soil Porosity and Moisture	4.9-4.10, 5.1-5.3 (2)
10/8	12	Soil Water I	5.4-5.7 (2)
10/10	13	Soil Water II	5.8-5.11 (2)
10/15	14	Soils and Hydrology	6.1-6.7
10/17	15	Soil Colloids	8.1- 8.4 (4)
10/22	16	Clay Mineralogy & Formation	8.5-8.7 (4)
10/24	17	Cation Exchange	8.8-8.11, 8.14 (4)
10/29	18	Soil Acidity and Alkalinity	9.1-9.8 (4)
10/31	19	Midterm 2: Soil Physical and Chemical Properties	
11/05	20	Soil Biology	11.1-11.11 (6)
11/7	21	Soil Microbial Ecology	11.12-11.15
11/12		Holiday: Veterans Day	
11/14	22	Soil Organic Matter and Humus Formation	12.1-12.10
11/19	23	Soil Biochemistry: Nitrogen & Sulfur	13.1-13.15 13.20-22
11/21		Holiday: Thanksgiving	
11/26	24	Soil Nutrients: Phosphorus & Potassium	14.1-14.3, 14.13 (5)
11/28	25	Fertilizers and Saline Soils	10.1-10.6 16.11 (12)
12/03	26	Soil Erosion	17.1-.5 17.9-12 (11)
12/05	27	Fire Effects and Overview	7.9, 16.4
12/13 (8:00am)28		FINAL EXAM: Cumulative	