

SOIL 4234 – Fall 2018 – Calendar / Syllabus

Lecture 11:30-12:20 Room 201 Ag Hall

Monday	Wednesday	Friday
AUGUST		
20 Orientation / Introduction.	22 Historical observations, Mitscherlich and Bray concepts	24 Mitscherlich and Bray concepts, general models (cont.)
27 Essential plant nutrients and the chemical form absorbed	29 General rules of ion solubility	31 Nutrient mobility in soils and factors affecting it
SEPTEMBER		
3 UNIVERSITY HOLIDAY	5 Plant functions of essential nutrients	7 Plant functions of essential nutrients
10 Soil acidity and buffer capacity	12 Soil acidity and liming	14 Saline and sodic soils
17 Exam 1	19 Soil and fertilizer N	21 N-Transformations
24 N-Transformations	26 N-Fertilizers	28 N-Fertilizers
OCTOBER		
1 Soil testing and N fertilizer rec.	3 Soil and Fertilizer P	5 Soil P reactions
8 Soil P reactions	10 Soil test P, calibration and correlation	12 Fertilizer P
15 Methods of P fertilization	17 Methods of P fertilization	18 <u>Fall Break</u>
22 Government Regs	24 Exam 2	26 Soil test report
29 Soil test report interpretations and fertilizer rec	1 Soil test report interpretations and fertilizer rec	
NOVEMBER		
		2 Soil and Fertilizer K
5 **	7 **	9 Soil and Fertilizer K
12 Fertilizer K	14 Soil and Fertilizer S, Ca, Mg	16 Soil and Fertilizer S, Ca, Mg
19 Micro Nutrients	21 Thanksgiving Break	23 Thanksgiving Break
26 Micro Nutrients	28 Micro Nutrients	30 Micro Nutrients
DECEMBER		
3 Labels	5 Grid Sampling and Soil EC	7 Ask BA
10 FINAL 10:00 am		

Final EXAM, Monday December 10, 10-12

Grading:

A minimum of 15 maximum of 30 quizzes will be over the period of the semester

Lecture Grade:

Homework: Approx 10%

Quiz Scores: Approx 30%

Exams 1 and 2: 12.5% each

Final Exam: 25%

Soil 4234 Grade:

Lecture: 75%

Lab: 25%

A: 90-100

B: 80-90

C: 70-80

D: 60-70

F: 50-60

Attendance: Mandatory,

No make ups allowed on missed quizzes or exams.

Students with excessive absences 4 or more, will receive F.