Instructor: Derald A. Harp, Ph.D
Associate Professor - Horticulture

Office Location: AgIT 154
Office Hours: Posted on door
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Office Fax: (903) 886-5990
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COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:


Course Description:

Origin, formation, fertility and management of soils. Prerequisites PIS 115 or 1415, Chem 1407 or 1411.

Student Learning Outcomes:

1. Introduce students to the basic concepts of soil science.

2. Develop the students' understanding and comprehension of the USDA – NRCS Soil Survey Manuals and Web Soil Survey.

3. Develop the students' understanding and comprehension of soil testing procedures and results.

4. Develop the students' appreciation for the complexity and importance of soils in today's world.
COURSE REQUIREMENTS

Instructional / Methods / Activities Assessments

Exams: Four 150 point exams, one 200 point final exam

Student Learning Outcomes 1 & 4

Assessment: Vocabulary, Multiple Choice, True/False, and Short Answer Exam

Presentation: Soil Order Presentation

Student Learning Outcomes: 1 & 4

Assessment: Graded according to the presentation rubric

Lab: Lab experiments, reports, paper and presentation. (Described in detail in lab syllabus.)

Student Learning Outcomes: 1, 2, 3 & 4

Assessment: Assessed according to rubric

Grading

Exams 600 points
Presentation 100 points
Final Exam 200 points
Lab 400 points

A  >1170
B  1040 – 1169
C  910 – 1039
D  780 – 909
F  <780

There will be no extra credit work available.

TECHNOLOGY REQUIREMENTS

To be successful in the course, you will be provided access to university computers and facilities. The following items are available on university computers for your use.

1. Access to T: drive
2. MS Word
3. MS PowerPoint
4. High-speed internet for access to Web Soil Survey
These items will be helpful for you, should you need to work at home.

1. Flash drive
2. MS Office or compatible software
3. High-speed internet for access to Web Soil Survey at home.

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**COURSE AND UNIVERSITY PROCEDURES/POLICIES**

**Course Specific Procedures:**

You may bring drinks to class. Please finish any meals before class begins. The use of tobacco products during class time is strictly prohibited.

Cheating of any kind will not be tolerated. Copying of others’ work, use of disallowed material on exams, plagiarism in assignments or cheating in any other form as defined by the instructor will result in a grade of zero for that assignment. Multiple infractions will result in a grade of ‘F’ for the course and possible expulsion.

**University Specific Procedures:**

**ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services**
Texas A&M University-Commerce
Gee Library 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu
Student Disability Resources & Services

**Student Conduct**

Students are expected to respect the rights of others in the class. Cell phones and other electronic equipment should be turned off prior to the beginning of class. Use of these items during class time, or any other unwarranted classroom disruption, will result in your immediate excusal from class for the remainder of the period.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Code of Student Conduct from Student Guide Handbook).
<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Material Covered</th>
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| Exam 1 | September 21, 2011  | Introduction (Ch1)  
Soil Formation, Weathering, Genetic Horizons (Ch 2), Erosion (Ch 17) |
| Exam 2 | October 19, 2011    | Soil Texture, Bulk Density,  
Particle Density (Ch 1 & 4)  
Soil Air and Porosity (Ch. 1 & 7) |
| Exam 3 | November 16, 2011   | Soil Water, Saturation, Field Capacity,  
Permanent Wilting Point, Water Movement (Ch. 1, 5, & 6) pH (Ch. 9)  
Cation Exchange Capacity,  
Fertilizers (Ch. 8) |
| Exam 4 | December 5, 2011    | Soil Classification and Taxonomy  
(Ch 3) |
| Final  | December 10, 2011   | 8:00 – 10:00 am  
Comprehensive |