Soil Science and Fertilizers AGRY 2020 Spring 2010

Dr. John R. Settimi Room 108 Agricultural Sciences Bldg. 391-4809
jsettimi@abac.edu
http://www.abac.edu/ag/jsettimi/

This course is designed to acquaint students with the fundamentals of soil properties and nutrients, and how they affect plant growth and development. Special emphasis is placed on production of agronomic and horticultural plants.

Course Objectives. At the end of the course, students will be able to...

- Assess the soil's ability to provide nutrients to plants.
- Describe and evaluate the major characteristics of soils
- Characterize soil amendments
- Determine correct fertilizer usage and application methods
- Calculate fertilizer quantities
- Describe the role of water in soils
- Conduct tests for various soil parameters
  - correctly perform soil sampling
  - correctly identify soil texture
  - correctly place and read resistence blocks
  - extract specified data from Soil Survey

Texts: Soils In Our Environment. Gardiner and Miller. Pearson/Prentice Hall.
Laboratory Handbook. Available from the Instructor.

References: Many are available in the library. Especially useful is Soil Fertility and Fertilizers

Grades:

4 lecture exams, = **52%**

A student receiving a grade of less than 70% on any exam is required to meet with me within one week of the exam. Failure to do so will result in a penalty of 10 points per exam.

Final Exam = **19%**

2 Lab exams = **15%**

The laboratory exams will cover all materials presented in lab.

Laboratory assignments = **10%**

The laboratory assignments are graded in this manner:

Present at lab and Completed on time = 100%
Late = 70%
Incomplete (can be upgraded to 'Late'). = 0%

Participation/Quizzes/Attendance = **4%**

Important:
Make-up exams will NOT be given

Attendance Policy: **Be There!** Class Attendance Is Expected!

1. There are no excused absences. Students are responsible for anything that occurs for every scheduled class period.
2. Students will be allowed 5 free absences during the semester. Each absence thereafter will result in a reduced grade for the course
3. From the Dean: Classroom management is essential to academic success. Anything that disrupts the classroom is detrimental to academic success. Employers have no tolerance for late arrivals, nor should ABAC. Students will no longer be allowed to enter the classroom late. Tardy is equivalent to absent. There is no excuse. Mange your life to remove all risk of being late to class.

The Student Development Center is the official office to provide disability services at ABAC. If you have a documented disability that may require assistance, you will need to contact the Student Development Center for coordination of your academic accommodations. The Center is located on the 2nd floor of the J. Lamar Branch Student Center. The phone number is 229-391-5135; fax is 229-391-5136. You may also visit the website at www.abac.edu/sdc or email at mmartin@abac.edu or asims@abac.edu