

## **Welcomes You To:**

**HOR 166 - 95**  
**Soils and Fertilizers**  
**Credit Hours: 3    Contact Hours: 4**

## **Course Description**

This course covers the physical and chemical properties of soils and soil fertility and management. Topics include soil formation, classification, physical and chemical properties, testing, fertilizer application, and other amendments. Upon completion, students should be able to analyze and evaluate and properly amend soils and media.

There are no prerequisites and no corequisites.

## **Instructor Information**

**Instructor:** Eugene A. Stano AAS Mayland Community College  
**Office:** Horticulture Building - MCC campus  
**Office Hours:** TBA  
**Phone:** 828-765-7351 ext 287 or 800-462-9526 ext 287  
**E-mail Address:** eastanojr@cc.mayland.edu

## **Course Information**

Fall Semester 2006 - Section 95  
**Class Meeting Time:** TBA  
Class Location: TBA

## **Objectives:**

This class is designed to address both practical and theoretical goals - to help each student develop both knowledge and skills. This means you will be able to:

1. Read and apply a Cooperative Extension Soil Analysis Report.
2. Understand soil mechanics and related topics.
3. Understand soil and fertilizer relationships.
4. Take quality soil samples for soil analysis.
5. Understand proper field soil testing techniques.

**Textbook:** Soils In Our Environment, 10th edition, Miller, Gardiner, Prentice Hall, 2004.

This may be purchased from the MCC Bookstore or other sources.

**Assignments:** All reading assignments, writing assignments, projects, and tests are due on the dates indicated on the course calendar. All work should be submitted by e-mail attachment to a message to the instructor. You may turn a hard copy of a word document in to the instructor if you wish.

Exams will be available to the class five days before the due date. Failure to return the tests and project articles by the due dates will result in a loss of five points for each day they are late.

**Field Trips:** There will be one or two optional field trips available to you involving soil studies in the field during the semester. They are highly recommended if you are able to attend. There will also be one seated classroom meeting that you are encouraged to attend to answer questions on soil report interpretation.

**Grading:** Grades will be based on the following point system. Grades will be calculated on the 90%,80%,70%, A-B-C scale unless adjustments are necessary.

**Evaluation:**

Mid-Term Exam	20%
Final Exam	25%
Class Discussion	5%
Writing Assignments	30%
Projects	20%

**Disclaimer:** While I have attempted to be as thorough as possible with this syllabus, course procedure may vary from this outline to meet the needs of this particular group.

**Personal Note:** My personal goal is to provide up-to-date information and skills necessary for your personal success in the field of horticulture.

**Withdrawal Dates:**

Fall 2006

End of Unconditional Withdrawal	September 22, 2006
End of Conditional Withdrawal	October 31, 2006

**Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will**

**then help determine which accommodations, if any, the student needs for success in this course.**