

Syllabus

AGET 710 Safety & Ergonomics Sciences in Agriculture

Overview

This course introduces you to issues related to occupational safety and ergonomics in agricultural work places. The subject matter is not technical in nature, but you will need to perform some basic calculations to complete some assignments. There will be sufficient explanations and examples to illustrate the concepts prior to your performing those assignments.

There is no required textbook for this course. The course materials will be available online either through the course website on UT Martin Blackboard, through your library databases, or from public domain websites. Course materials placed on Blackboard will be designed to function satisfactorily with 28.8 kbps modem connections. Some files from external websites may be quite large, so you might consider performing searches and downloading large files from computers with high speed connections, such as at work or the library.

Please review the UTM MSAOM website for information concerning the computer system requirements. It is assumed that your computer has Internet Explorer 5 or higher plus current versions of Acrobat Reader, Windows Media Player, and Shockwave Flash Plugin. It is also assumed that you know how to manage files and directories on your hard drive. It is strongly recommended that you learn to use Windows Explorer to create directories, copy, move, and delete files. It is also recommended that you learn how to download WebPages to your hard drive as complete files for later use offline (these pages are saved using the *.mht filename extension using Internet Explorer).

Syllabus

The course is intended to cover a wide range of topics related to agricultural safety and health. The tentative syllabus is as follows:

- Week 1 - Overview of agricultural injuries; regulations and standards
- Week 2 - Injury prevention approaches and developing safety programs
- Week 3 - Ergonomics and Human Factors
- Week 4 - Tractor safety
- Week 5 - Lab: Tractor Specifications
- MIDTERM EXAM
- Week 6 - Shop safety
- Week 7 - Ergonomics and hand power tools
- Week 8 - Hazardous materials
- Week 9 - Pesticide safety
- Week 10 - Working with disabilities
- FINAL EXAM

Meeting Times

The course material will be posted by Friday afternoon of each week. You may access the materials at any time after they are posted, but your assignments must be submitted by the 5:00 p.m. of the following Friday.

The exceptions to this will be the Midterm and Final Exams. The exams will be posted during the prescribed exam dates and you will be expected to complete the exams within the prescribed amount of time. Specific details will be provided prior to each exam.

Grading Policies

Grading for the course will be as follows:

35% Class participation
25% Term project
20% Mid-term exam
20% Final exam

The mid-term exam may include any information covered up to that point. The final exam will cover the entire semester, but most questions will be taken from information covered after the mid-term.

Course Projects

Your term project will be the development of a safety product pertinent to an agricultural occupation, hopefully yours. This may be a safety training manual for a particular occupation or operation in an agricultural workplace, a policy and procedures manual, a training video, or a similar type project. It could also be a research paper or investigation of safety issues of interest to you.

All work must be your own! You are expected to work independently unless prior arrangements have been made with the instructor to conduct a group project.

Attendance Policies

Course participation (attendance) will be verified by the timely submission of assignments into the Blackboard Dropbox.

Prior arrangements must be made with the instructor if you will be unable to complete assignments by the deadline due to work-related travel, illness, family emergencies, etc.