

Clarendon College
Division of Science and Health
Agriculture Department

AGRI 2303: Agriculture Construction I
Fall 2010

Course Syllabus

Meeting Time: 11:00 – 11:50 Tuesday, Thursday Lab: 1:00 – 3:50 Monday
Meeting Place: CRSN 107

Instructor: Mr. Brian Fuller

Office Hours: Mon- 9:00-11:00; Tues- 1:00-3:00; Wed- 9:00-11:00, 1:00-3:00;
Fri- 9:00-11:00 Appointments are gladly scheduled.

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Course Description:

Selection, use and maintenance of hand and power tools; arc and oxy-acetylene welding; and construction materials and principles. This course includes a laboratory experience.

Statement of Purpose:

Agriculture Construction I partially satisfies the requirements for the Associates Degree at Clarendon College and is designed for transfer to a senior college.

Required Text:

Not Applicable; Hand-outs and Instructional materials will be given throughout the semester.

Methods of Instruction:

This course centers upon class lecture and discussion and hands-on participation. Discussion is essential for the exchanging of ideas and a greater understanding of the content. Therefore, questions will be asked in order to make a more complete learning environment. It is essential for the student to read the class assignments as a basis for the class. Videos and other materials will also be a part of the instructional process.

Student Outcomes:

- a) Identify and perform maintenance procedures on common tools associated with wood and metalworking.
- b) Properly adjust and operate metal cutting and welding equipment.
- c) Plan and design buildings for agriculture application including material bills, concrete, wood, metal, utilities and labor.
- d) Understand the basics of residential electricity and plumbing

Course Objectives:

- a) To help students understand the basic uses and purposes of common hand tools.
- b) To instruct students on the basic uses of arc welding equipment and oxy-acetylene torch.
- c) To help students become more aware of the multiple uses of common construction knowledge.
- d) To allow students to apply construction techniques and thought processes in project developments.

Grading Policies:

The final semester grades will be figured as set in the current catalog:

90-100 = A 80-89 = B 70-79 = C 60-69 = D 59 or Below = F

Grades will be calculated as follows:

Design Project @ 25%
Discussion and Participation @ 10%
Assignments/Quizzes @ 10%
Lab @ 45%
Final Exam @ 10%

Lab Grading Criteria:

Attendance and Participation – 10%
Projects and Assignments – 15%
Lab Midterm – 10%
Lab Final – 10%

Quizzes and Assignments will be administered throughout the semester covering the subjects previously discussed in lecture. The design project will utilize techniques and knowledge gained throughout the class. The project will consist of only design on paper and thorough planning of all required aspects of constructing a substantial agriculture structure. Further information will be delivered concerning this project at a later date. Discussion and participation will be based upon the student's involvement in the class. Attendance and participation is required and expected. Final Exam: Students must take a final. The time for the final is published at the beginning of each semester. A Final Exam covering material discussed throughout the entire semester will be administered during the scheduled final exam time. Early finals will only be given in the case of extreme emergencies. Make-up exams will only be given in rare cases. Arrangements must be made with the instructor prior to the student missing the exam.

Class Participation and Attendance:

As stated earlier, class participation and attendance is required and expected. All absences validated by doctor's notes, Clarendon College Personnel requests (coaches, Deans, etc.), and

instances of extreme emergency as determined by the instructor will be considered excused. All other absences will be considered unexcused. A total of four unexcused absences will result in the complete forfeit of the Class Participation grade. An accumulation of five or more unexcused absences will, in all but rare and extreme cases result in failure of the class. It is vital for the education of the student as well as the other students for each student to participate in class discussions and to be involved in the learning process.

Withdrawal: If you decide that you are unable to complete this course or that it will be impossible to complete the course with a passing grade, you may drop the course and receive a “W” on our transcript instead. Withdrawal from a course is a formal procedure that you must initiate. If you do not go through the formal withdrawal procedure, you will receive a grade of “F” on your transcript. A student is permitted to drop a course if he/she obtains an official drop slip from the office and has the instructor sign the slip before the 12th class week. Remember, a student is only allowed to drop the same class twice before he/she will be charged triple the tuition amount for taking the class a third time or more. Furthermore, beginning with the Fall 2007 semester, students in Texas may only drop a total of 6 courses throughout their entire undergraduate career. After the 6th course, he/she will no longer be able to withdraw from any classes.

Classroom Policies:

Classroom Conduct

Failure to comply with lawful direction of a classroom instructor is a disruption for all students enrolled in the class. Cheating violations include, but are not limited to: (1) obtaining an examination, classroom activity, or laboratory exercise by stealing or collusion; (2) discovering the content of an examination, classroom activity, laboratory exercise, or homework assignment before it is given; (3) using an unauthorized source of information during an examination, classroom activity, laboratory exercise, or homework assignment; (4) entering an office or building to obtain unfair advantage; (5) taking an examination for another person; (6) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (7) altering grade records; (8) using any unauthorized form of electronic communication device during an examination, classroom activity, or laboratory exercise; (9) Plagiarism. Plagiarism is the using, stating, offering, or reporting as one’s own, an idea, expression, or production of another person without proper credit. Disciplinary actions for cheating in a course are at the discretion of the individual instructor. The instructor of that course will file a report with the Dean of Students when a student is caught cheating in the course, whether it be a workforce or academic course. The report shall include the course, instructor, student’s name, and the type of cheating involved. Students who are reported as cheating to the Dean of Students more than once shall be disciplined by the Dean. The Dean will notify all involved parties within fourteen days of any action taken.

American with Disabilities Act Statement:

Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, notify the Office of Student

Services (806-874-3571 or 800-687-9737). We will work with you to make whatever accommodations we need to make.

Dropping a Course:

A student who is enrolled in a developmental course for TSI purposes may not drop his/her only developmental course unless the student completely withdraws from the college. A student may drop any other course with a grade of “W” any time after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar. The request for permission to drop a course is initiated by the student by procuring a drop form from the Office of Student Services. (Refer to other policies concerning this issue in the current college catalog online.)

Withdrawal from College:

When a student finds it necessary to withdraw from school before the end of the semester, he or she should obtain a withdrawal form from the Office of Student Services. Students may also withdraw from the college by sending a written request for such action to the Registrar’s Office. The request must include the student’s signature, the student’s current address, social security number and course information details. Students who withdraw after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar will be assigned a grade of “W.”

Student Expectations and Guidelines:

In addition to the previously stated expectations and guidelines, students are expected to adhere to the following:

- 1) Grant respect to each other and to the instructor and respect shall be shown to you.
- 2) Refrain from using profane or obscene language or gestures at all times in class.
- 3) Dress in clean, appropriate and courteous clothing.
- 4) Refrain from using any communication device, except in emergency situations.
- 5) Absolutely no form of any communication device (cell phone, PDA, laptop, carrier pigeon, or any other imaginable device) will be allowed during exams, quizzes, or other testing periods. Upon visualization of the device, the instructor will remove the exam or other testing material from the student, ask the student to leave the room and assign a grade of zero to the material.
- 6) No material other than the exam and writing utensil will be allowed on the student’s desk during an exam unless approved by the instructor. Approved devices will only include items such as calculators, approved formula sheets, or other test appropriate material.
- 7) No hats, caps, or head coverings of any kind will be allowed at any time during a testing period. This includes all students, male and female. If a head covering of any kind is worn during the testing period, the student will be asked to remove the object. If the student refuses to remove the covering or cannot remove the covering and return to the class and finish the exam during the scheduled time, a grade of zero will be assigned to the material.
- 8) Please keep restroom breaks and other interruptions to a bare minimum.

- 9) It is vital to the safety of the student to wear appropriate clothing while working with tools related to Ag Construction. Adequate clothing would include: Full Length jeans, Long sleeved shirt, Full shoes(No Sandals of any type).
- 10) Please notice the emergency evacuation map and be cognizant of what steps to take in case of emergency (fire, tornado, etc.).

Course Outline

Weeks 1 – 3:

Discussion of hand tools and small power tools. Lab projects will consist mainly of determining which tools will best suit a particular project. Also, students will become familiar with the use of the tools, routine maintenance, and proper safety requirements. Small projects may also be conducted with these tools.

Weeks 4 – 6:

Discussion of welding options and techniques as well as oxy-acetylene torches. Lab projects will consist of learning the basic procedures of welding using an arc welder and the proper techniques of using a cutting torch. Small projects will be conducted using these devices. **Lab Midterm will be Monday October 4, 2010.**

Weeks 7 – 9:

Discussion of building materials and building techniques. Lab projects will consist of determining which type of material is best suited for a particular project. Also, students will learn methods of pricing and ordering material in the most cost effective manner. Further, students will utilize the building techniques learned in small projects.

Weeks 10 – 14:

Discussion will center upon combining the knowledge and techniques learned in the previous weeks to give the student sound foundation in agricultural construction. Lab projects will consist of various techniques learned throughout the semester. Also during these weeks the students will focus upon their own personal design project. Possible field trips may be scheduled to show students real world application of learned techniques. **Lab final will Monday November 29, 2010.**

Weeks 15 & 16:

Final exam preparation and design project completion. **Design Project will be due Tuesday, November 30, 2010. Final Exam will be 12/7/2010 at 10:30 a.m.**

