Course Syllabus
Welding and Metalwork
AGSC 2303

INSTRUCTOR:
J. Will Dickison, Ph.D. Assistant Professor
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Office Phone: 942-2027
Office: 218 Vincent Building
Office hours: Varies from day-to-day due to teaching schedule. Please make an appointment to ensure that I’m in my office. However, when my door is open, you are welcome to walk-in!

Final Exam: Wednesday May 7th 9:00 A.M.

COURSE DESCRIPTION: This course serves as an introductory course for welding and metalworking. The course lecture and laboratory will present the student with basic knowledge and fundamentals of welding and metalwork. Importance of safety within agricultural mechanics settings will also underlie course content and design.

STUDENT LEARNING OUTCOMES: Through in-class exercises, assignments, projects, and examinations students are expected to demonstrate the following:

1. Demonstrate safe laboratory procedures in welding and metalwork.
2. Identify properties and procedures in metal joining, cutting and bending.
3. Display proper set up and use of oxyacetylene, SMAW, GMAW and plasma arc equipment.
4. Exhibit different types of welds using those procedures.
5. Recognize weld discontinuities and defects.
COURSE REQUIREMENTS

Metallurgy research paper =100 pts
Students will be responsible for writing a one-page single spaced research paper (500 words) on an assigned topic dealing with metallurgy. Students will select from a list of topics.

Project Design plans=100 pts
Students will be responsible for designing and drawing scaled plans for a metal project. A bill of materials must accompany these plans. You will also present these projects in class for viewing of other students.

Exams=100pts each
Three exams will be given throughout the semester as announced. Each will cover only the material presented since the last exam. Format will typically be multiple choice and short answer.

Lab Attendance=200 pts
No laboratory will be made up!!! Attendance is mandatory!!! Attendance will count for half of your lab grade.

Lab Assignments=100pts
These will make up approximately a ¼ of your lab grade. There will be an assignment for each lab and each will be worth 10 points.

Lab Project=100pts
This will comprise the rest of the points for the lab portion of this class. A project will be due at the end of the semester and will be graded for its quality of workmanship and design.

Course Policies: Late assignments will not be accepted, and students turning in late assignments will receive a grade of “0” for that assignment. In case of excused absence, students will be required to show documentation for the absence for late assignments to be accepted.
**Class Attendance** Attendance is not an option, it is an expectation! Much of the course material will be absorbed through discussions, small group participation and in-class activities. Students may have up to 3 absences, excused or otherwise, without penalty. No questions will be asked, and no excuses need to be provided. Although missed assignments will still be considered on time with the proper documentation. Students missing more than 3 classes will be required to take the comprehensive final. If you do not miss more than 3 classes and are happy with your grade you do not have to partake in the final exam.

**Course Grades:** Grading Scale  
A = 90-100%  
B = 80-89%  
C = 70-79%  
D = 60-69%  
F = Below 60%

Students grade will be calculated by total number of points earned, divided by the total number of points possible and a letter grade will be assigned.

**Academic Integrity:** Angelo State University "expects all students to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experiences both in and out of the classroom." Academic integrity means the student does his or her own academic work, unless the instructor explicitly permits collaboration. Academic work that was developed through collaboration or academic references must clearly indicate the location and author of the original source, and students may not fabricate or represent academic work involving data collection and analysis as original work if obtained from a secondary source. "The university may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including, but not limited to," the information listed below.

1. Plagiarism
2. Cheating
3. Fabrication
4. Misrepresentation
5. Conspiracy
6. Misuse of both Technology and Library Materials

**Americans with Disabilities Act:** Angelo State University is committed to the
principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of services, programs, or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

Student Contact: The Student Life Office is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting the Student Life Office, Room 112 University Center, at (325) 942-2191 or (325) 942-2126 (TDD/FAX) or by e-mail at Student.Life@angelo.edu to begin the process.