Course Syllabus
Welding and Metalwork
AGSC 2303

INSTRUCTOR:
J. Will Dickison, Ph.D. Assistant Professor
Email: jdickison@angelo.edu
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 6th 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
Accommodations for Students with Disabilities
ASU 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 the 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 Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.
Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.iv

**Student Absence for Observance of Religious Holy Days**

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Dayv for more information.

**Title IX at Angelo State University**

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix

i [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)

ii [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)