

AGME 1315
Farm & Ranch Shop Skills I
Western Texas College

- I. Basic Course Information
 - A. Course Description: Study and application of shop skills used in agricultural processes including arc welding, oxyacetylene cutting and welding, drawing and planning projects, tool maintenance, metal working, woodworking, plumbing, and concrete.
 - B. Prerequisites: None

- II. Student Learning Outcomes
 - A. Demonstrate oxyacetylene cutting procedures
 - B. Demonstrate arc welding
 - C. Identify shop tools
 - D. Utilize shop plans
 - E. Describe construction processes

- III. Major Course Requirements
 - A. Internet ICEV Lessons
 - B. Demonstrations
 - C. Presentations
 - D. Reading
 - E. Field Trips and Field Works

- IV. Information on Books and other Course Materials
 - A. None Required

- V. Other Policies, Procedures and Important Dates: Please refer to the WTC Course Catalog for the following:
 - A. Campus Calendar
 - B. Final exam schedule
 - C. How to drop a class
 - D. Withdrawal information
 - E. Student Conduct/Academic Integrity
 - F. Class Attendance
 - G. Students with disabilities

- VI. Course Organization and Schedule

Week	Topic
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Week 1	Course Introduction
Week 2	Shop plan designs
Week 3	Shop Safety Procedures
Week 4	Oxygen Acetylene Cutting
Week 5	Arc Welding Procedures
Week 6-8	Electrical Design and Carrying Load Capacity
Week 9-11	Plumbing Design and Maintenance
Week 12-14	Metal Fabrication
Week 15	Project Completion
Week 16	Review & Final

*Disclaimer: Schedule, content and grading percentages are subject to change at the instructor's discretion.