

MIDLAND COLLEGE
SYLLABUS
WLDG 1425
INTRODUCTION TO OXY-FUEL WELDING AND CUTTING
2-4

Course Description:

An introduction to oxy-fuel welding and cutting, safety, setup and maintenance of oxy-fuel welding and cutting equipment and supplies. Prerequisites: WLDG 1421 and corequisite WLDG 1457

Text, References, and Supplies:

1. **MODERN WELDING**, Althouse, Turnquist & Bowditch.

2. Handouts from American Welding Society, Victor & Lincoln.

3. Pipe fitter's & pipe welder's handbook/Franklin

The student will need to provide his/her own:

Welding hood with correct lens

Welding gloves

Face shields - tinted

Tape measure

Appropriate clothing for welding

Safety glasses

Course Goal/Objectives:

The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives. Upon successful completion of the course the student will;

1. Define Welding Terms
2. Complete Chapter 5 Study guide & Test
3. Complete Chapter 7 Study Guide & Test
4. Complete Chapter 9 Study Guide & Test
5. Complete Chapter 10 Study Guide & Test
6. OAW Tail Pipe 1G
7. OAW Tail Pipe 2G
8. OAW Tail Pipe 5G
9. OAW 2" Pipe 1G
10. OAW 2" Pipe 2G
11. OAW 2" Pipe 5G

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12. OAW 2" Pipe 6G
13. B/BW Mild Steel
14. B/BW Cast Iron
15. OAW Cast Iron
16. OAW Plug 1/8 Plate
17. Chapters 5, 7, & 9 study guide & test

**Student Contributions, and
Class Policies:**

Attendance, desire to learn with steady and consistent work.

1. The student will be enrolled in WELD 1425. The student will exhibit professional behavior. Performance will be satisfactory if;
 - a. College attendance is adhered to
 - b. Student participates in class
 - c. Student maintains a positive attitude
2. Unless otherwise stated, the student will be allowed references, including research material located in the Midland College Welding Technology Library. The student will be provided demonstrations for each of the content goals as seen necessary by the instructor. These goals will be complete and satisfactory is consistent with AWS and the course text.
3. Satisfactory performance will be measured by an objective and/or application exam and instructors' observation.

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Evaluation of Students:

Weld Grades.....50%
Chapter Tests.....10%
Attendance, Class Participation,
And Attitude.....10%
Notebook.....10%
Final Examination.....20%

90 and above A
80 to 89 B
70 to 79 C
60 to 69 D
50 to 59 F
(1 point per absence)

Course Schedule:

This class meets for 2 lecture hours and 5 lab hours per week.

SCANS Information:

RESOURCES:

Selects material and equipment and procedure which will allow or produce enough time to complete all goals. Estimates cost to complete all content goals.

THINKING:

Specifies goals and procedures needed to meet the desired test results. Develops new learning technique in researching AWS codes. Learns that strict compliance to the rules and regulations of these codes are necessary.

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Program Information:

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Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor's availability at a specific time.

Students **MUST** actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

Americans with Disabilities Act (ADA) Statement:

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit www.midland.edu/accommodation and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a "Notice of Accommodations" letter will be sent to instructors outlining any reasonable accommodations.

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: **Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu**; **Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu**. For further information on notice of non-discrimination, visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> or call 1 (800) 421-3481.

Spanish

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