

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u><b>Machining Technology-Welding</b></u>						
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>WLDG 1435</b></u>						
<b>COURSE TITLE</b>	<u><b>Introduction to Pipe Welding</b></u>						
<b>COURSE CREDIT HOURS</b>	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u><b>4</b></u></td> <td style="text-align: center;"><u><b>3</b></u></td> <td style="text-align: center;"><u><b>3</b></u></td> </tr> <tr> <td style="text-align: center;"><b>Credits</b></td> <td style="text-align: center;"><b>Lec</b></td> <td style="text-align: center;"><b>Lab</b></td> </tr> </table>	<u><b>4</b></u>	<u><b>3</b></u>	<u><b>3</b></u>	<b>Credits</b>	<b>Lec</b>	<b>Lab</b>
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<b>Credits</b>	<b>Lec</b>	<b>Lab</b>					

**I. Course Description**

Introduces welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasizes weld positions 1G and 2G using various electrodes. **(3:3). Lab Fee.**

**II. Course Objectives**

- a. Describe equipment and safe shop practices
- b. Demonstrate required pipe preparation
- c. Perform 1G and 2G welds using various electrodes

**III. THECB Learning Outcomes (WECM)**

1. Describe equipment and required pipe preparation.
2. Perform 1G and 2G welds using various electrodes.

**IV. Evaluation**

The knowledge and skills stated in the objective must be demonstrated by the students in the form of tests and assignments in order to complete the course. Test (50%) and lab assignments (50%) will be averaged, letter grades will be arranged as follows:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Students should be able to compute their grade average anytime during the course. Missed assignments and make-up tests will be given at the discretion of the instructor.

**V. Disability Statement (American with/Disabilities Act [ADA])**

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

**VI. 6 Drop Rule**

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.