

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Machining Technology-Welding</u>						
COURSE RUBRIC AND NUMBER	<u>WLDG 2453</u>						
COURSE TITLE	<u>Advanced Pipe Welding</u>						
COURSE CREDIT HOURS	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; padding: 2px 10px;">4</td> <td style="border-bottom: 1px solid black; padding: 2px 10px;">3</td> <td style="border-bottom: 1px solid black; padding: 2px 10px;">3</td> </tr> <tr> <td style="padding: 2px 10px;">Credits</td> <td style="padding: 2px 10px;">Lec</td> <td style="padding: 2px 10px;">Lab</td> </tr> </table>	4	3	3	Credits	Lec	Lab
4	3	3					
Credits	Lec	Lab					

I. Course Description

Provides advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Includes topics on electrode selection, equipment setup, and safe shop practices. Emphasizes weld positions 5G and 6G using various electrodes. **Corequisite: WLDG1435. (3:3). Lab Fee.**

II. Course Objectives

- a. Describe equipment and Safety procedures
- b. Demonstrate proper pipe preparation
- c. Perform 5G and 6G welds using various electrodes

III. THECB Learning Outcomes (WECM)

1. Describe equipment and required pipe preparation.
2. Perform 5G and 6G 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.