

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

<b>SUBJECT AREA</b>	<u>Welding</u>								
<b>COURSE RUBRIC AND NUMBER</b>	<u>WLDG 1413</u>								
<b>COURSE TITLE</b>	<u>Introduction to Blueprint Reading for Welders</u>								
<b>COURSE CREDIT HOURS</b>	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 2px 10px;">4</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 2px 10px;">3</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 2px 10px;">:</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 2px 10px;">3</td> </tr> <tr> <td style="text-align: center; padding: 2px 10px;">Credits</td> <td style="text-align: center; padding: 2px 10px;">Lec.</td> <td></td> <td style="text-align: center; padding: 2px 10px;">Lab</td> </tr> </table>	4	3	:	3	Credits	Lec.		Lab
4	3	:	3						
Credits	Lec.		Lab						

### I. Catalog Description

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production. **(3:3). Lab fee.**

### II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Define terms and abbreviations
- B. Identify and explain object views, lines, and dimensions.
- C. Identify, explain, and interpret welding symbols.
- D. Identify structural shapes.
- E. Demonstrate the proper use of measuring devices.
- F. Read and interpret blueprints.
- G. Read welding detail drawings.
- H. Calculate dimensions and material.

### III. THECB Learning Outcomes (WECM)

1. Define terms and abbreviations.
2. Interpret view lines, dimensions detail drawings and welding symbols.
3. Identify structural shapes.
4. Demonstrate the proper use of measuring devices.
5. Calculate dimensions.
6. Develop bill of materials.

### 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. Tests (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 (Americans with Disabilities Act [ADA])**

EPCC offers a variety of services to persons documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need the 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-124 (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 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.

**VII. Title IX and Sex Discrimination**

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.