

**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 1413</b></u>								
<b>COURSE TITLE</b>	<u><b>Introduction to Blueprint Reading for Welders</b></u>								
<b>COURSE CREDIT HOURS</b>	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><b>4</b></td> <td style="text-align: center;"><b>3</b></td> <td style="text-align: center;"><b>:</b></td> <td style="text-align: center;"><b>3</b></td> </tr> <tr> <td style="text-align: center;"><b>Credits</b></td> <td style="text-align: center;"><b>Lec.</b></td> <td></td> <td style="text-align: center;"><b>Lab</b></td> </tr> </table>	<b>4</b>	<b>3</b>	<b>:</b>	<b>3</b>	<b>Credits</b>	<b>Lec.</b>		<b>Lab</b>
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<b>Credits</b>	<b>Lec.</b>		<b>Lab</b>						

**I. Catalog Description**

Studies industrial blueprints. Emphasizes terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Includes interpretation of plans and drawings used by industry to facilitate field application and production. (3:3).

**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. Identify and explain object views, lines, and dimensions.
- 3. Identify, explain, and interpret weld symbols.
- 4. Identify structural shapes.
- 5. Demonstrate the proper use of measuring devices.
- 6. Read and interpret blueprints.
- 7. Read welding detail drawings.
- 8. Calculate dimensions and material.

**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.