

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Machining Technology-Welding</u>						
COURSE RUBRIC AND NUMBER	<u>WLDG 1434</u>						
COURSE TITLE	<u>Introduction to Gas Tungsten Arc (GTAW) Welding</u>						
COURSE CREDIT HOURS	<table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">4</td> <td style="width: 33%;">3</td> <td style="width: 33%;">3</td> </tr> <tr> <td>Credits</td> <td>Lec</td> <td>Lab</td> </tr> </table>	4	3	3	Credits	Lec	Lab
4	3	3					
Credits	Lec	Lab					

I. Course Description

Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Provides instruction in various positions and joint designs. Student practice will include low carbon steel. **Corequisite: WLDF 2447. (3:3). Lab fee.**

II. Course Objectives

- a. Describe machine set-up
- b. Describe safety rules and equipment
- c. Describe various joint designs
- d. Describe effects of welding parameters
- e. Apply welding techniques to various joint designs
- f. Apply welding techniques to various structural materials

III. THECB Learning Outcomes (WECM)

1. Describe various joint designs.
2. Describe safety rules and equipment.
3. Describe the effects of welding parameters in GTAW.
4. Weld various structural 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. 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.