

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

SUBJECT AREA	<u>Advanced Technology Industrial</u> <u>Manufacturing</u>			
COURSE RUBRIC AND NUMBER	<u>DFTG 1413</u>			
COURSE TITLE	<u>Drafting for Specific Occupations</u>			
COURSE CREDIT HOURS	<u>4</u> Credits	<u>3</u> Lec	:	<u>3</u> Lab

**I. Catalog Description**

Discusses the theory and practice with drafting methods and the terminology required to prepare working drawings in various occupational fields. **(3:3)**.

**II. Course Objectives**

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

- A. Identify the different menu areas of AutoCad and their functions
- B. Illustrate the use of lines in a drawing
- C. Create a multi-view drawing of an object
- D. Create free-hand sketches of a project
- E. Construct a drawing using dimension lines
- F. Demonstrate the correct use of measuring instruments
- G. Interpret drawings correctly
- H. Identify blueprint symbols
- I. Interpret scales
- J. Identify section views
- K. Interpret title block
- L. Interpret electrical, electronic, mechanical, HVAC, and plumbing blueprints correctly
- M. Interpret structural blueprints
- N. Modify existing blueprints
- O. Perform GD and T (geometric dimensioning and tolerancing)

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

- 1. Define the elements of drafting that pertain to specific or various occupational fields.
- 2. Produce working drawings and sketches relevant to an individual technical discipline.

**IV. Evaluation**

The students must demonstrate the knowledge and skills stated in the objectives in order to complete the course. Tests (50%) and lab assignments (50%) will be averaged. Letter grades will be assigned 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 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.