

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 3 :</u> <u> Credits Lec Lab</u>

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.