

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

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

### I. Catalog Description

Provides a discussion of theory and practice with drafting methods and the terminology required to prepare working drawings in specific or various occupational fields. **(3:3)**.

### II. Course Objectives

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

- A. Introduction to Drafting and Print Reading
  1. Identify fundamentals of blueprint reading.
  2. Identify blueprint symbols.
  3. Illustrate the use of lines in a drawing.
  4. Interpret scales.
  5. Interpret title block elements.
  6. Interpret drawings correctly.
  7. Construct a drawing using dimensioning lines.
  
- B. Shape Description
  1. Identify section views.
  2. Create a multi-view drawing of an object.
  
- C. Size Description and Annotations
  1. Examine dimensioning mechanics.
  2. Examine tolerancing terms.
  3. Perform GD and T (Geometric dimensioning and tolerancing).
  
- D. Industrial Drawings
  1. Interpret different types of drawings commonly used in the industrial field such as electrical, electronics, mechanical, welding, plumbing, etc.
  
- E. Structural Blueprints
  1. Interpret structural blueprints.
  
- F. Specialized Parts and Prints
  1. Utilize common measurements systems and precision measurement tools.
  2. Create free-hand sketches of a project.

3. Identify the different menu areas of AutoCad and their functions.
4. Modify existing blueprints.

### **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**

Students must demonstrate the knowledge and skills stated in the objectives in order to complete the course. Exams, quizzes, and lab assignments will be determined by the instructor.

The final grade report will be based on the percentage of the total points earned.

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.

### **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.