

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

|                                 |  |   |     |   |   |         |     |  |     |
|---------------------------------|--|---|-----|---|---|---------|-----|--|-----|
| <b>SUBJECT AREA</b>             | <u>Machining Technology</u>  |   |     |   |   |         |     |  |     |
| <b>COURSE RUBRIC AND NUMBER</b> | <u>DFTG 1325</u>   |   |     |   |   |         |     |  |     |
| <b>COURSE TITLE</b>             | <u>Blueprint Reading and Sketching</u>   |   |     |   |   |         |     |  |     |
| <b>COURSE CREDIT HOURS</b>      | <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;">3</td> <td style="text-align: center; border-bottom: 1px solid black;">2</td> <td style="text-align: center; border-bottom: 1px solid black;">:</td> <td style="text-align: center; border-bottom: 1px solid black;">2</td> </tr> <tr> <td style="text-align: center;">Credits</td> <td style="text-align: center;">Lec</td> <td></td> <td style="text-align: center;">Lab</td> </tr> </table> | 3 | 2   | : | 2 | Credits | Lec |  | Lab |
| 3                               | 2  | : | 2   |   |   |         |     |  |     |
| Credits                         | Lec  |   | Lab |   |   |         |     |  |     |

### I. Catalog Description

Introduces reading and interpreting working drawings for fabrication processes and associated trades. Students learn the use of sketching techniques to create pictorial and multiple-view drawings. Students learn basic precision measuring techniques, thread systems and symbols used in industry. (2:2).

### II. Course Objectives

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

- A. Illustrate the use of lines in a drawing.
- B. Create a multi-view drawing of an object.
- C. Create free-hand sketches of a project.
- D. Construct a drawing using dimension lines.
- E. Demonstrate the correct use of measuring instruments.
- F. Interpret drawings correctly.
- G. Produce a part from a drawing.
- H. Identify blueprint symbols.
- I. Interpret scale.
- J. Identify section views.
- K. Interpret title block.
- L. Check tolerance.

### III. THECB Learning Outcomes (WECM)

1. Interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views.
2. Sketch pictorials and multi-view drawings.

### IV. Evaluation

The knowledge and skills stated in the objectives must be demonstrated by the students in the form of test and lab assignments in order to complete the course. Performance tests and lab assignments will be weighed as follows:

|                         |                           |
|-------------------------|---------------------------|
| Performance Tests       | 40% of final grade        |
| Lab Assignments         | 40% of final grade        |
| Classroom Participation | <u>20%</u> of final grade |
| Total                   | 100%                      |

|        |   |
|--------|---|
| 90-100 | A |
| 80-89  | B |
| 70-79  | C |
| 60-69  | D |
| 0-59   | F |

#### 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.