

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

Transfer Course A.A. Degree Applicable Course
(check all that apply)

COURSE NUMBER AND TITLE: DT 125 / RDT 125
Introductory Computer Aided Drafting

UNIT VALUE: 3 **MINIMUM NUMBER OF SEMESTER HOURS:** 96

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS:

PREREQUISITE: None.

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

An introduction to computer aided drafting using AutoCAD software and IBM compatible computers. Hands-on experience with AutoCAD to include the following operations: preparing and editing drawings, storage and retrieval of drawings, and production of commercial quality drawings on a plotter. Introductory computer terminology and techniques in Windows.

SPECIFIC COURSE OBJECTIVES:

The student will:

1. Apply principles for operation of a complete microcomputer CAD station.
2. Evaluate basic drawing operations using the AutoCAD computer graphics system.
3. Apply principles necessary to produce inked, finished working drawings using the AutoCAD computer graphics system.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Understanding the AutoCAD menu
- II. All two dimensional drawing commands
- III. Drawing set up procedures
- IV. Basic operating system commands
- V. All editing and viewing commands
- VI. Basic plotting techniques
- VII. Basic dimensioning
- VIII. Basic text commands

REQUIRED READING:

Wohler, Terrance. Applying AutoCAD. New York: McGraw/Hill Publishing Company, 1999.

SUGGESTED READING:

REQUIRED WRITING:

CAD procedural outlines, textbook-based operating manual questionnaires, and CAD operations logs are required (approximately 10 pages).

Demonstration of basic skills in AutoCAD is more appropriate.

OUTSIDE ASSIGNMENTS:

Students are expected to spend three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Text readings and review of class notes.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
 mediated instruction
 computer assisted instruction

GRADING POLICY AND STANDARDS (include methods for determining whether the stated objectives have been met by students):

- 60% Weekly or biweekly assignments are submitted and evaluated based on the week's previously provided information and evaluating criteria.
- 25% Two examinations on approximately the 6th and 12th weeks of the course testing for general knowledge of the subject studied in that interim.
- 15% A comprehensive final examination.

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 2

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable:

Section 58161 (c) (2) (A)

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