

DE ANZA COLLEGE – ADVANCED TECHNOLOGY CENTER  
Business and Computer Systems Division  
CAD and Digital Imaging  
Course Outline

Degree Applicable

CAD and Digital Imaging 79

Effective Quarter Fall 2005

I. Catalog Description

CDI 79 A - L                                      Pro/ENGINEER Wildfire 2.0 (Pro/Update)                                      4 Units

CDI 79A Pro/ENGINEER Wildfire 2.0 (Pro/Update)	CDI 79G
CDI 79B	CDI 79H
CDI 79C	CDI 79I
CDI 79D	CDI 79J
CDI 79E	CDI 79K
CDI 79F	CDI 79L

Prerequisites: CDI 70

Eight hours lecture-laboratory

Principles and application changes in the Pro/ENGINEER software and system. Designed to upgrade users to the latest version yearly

II. Course Objectives

The student will:

- A. Identify the changes in the latest version of Pro/E software.
- B. Apply new commands and applications of the software.
- C. Create models, drawings, and assemblies using Pro/E with emphasis on the latest innovations

III. Essential Student Materials

None

IV. Essential College Facilities

None

## V. Expanded Description: Content and Form

- A. Changes in the latest version of Pro/ENGINEER
  - 1. Commands
  - 2. Operating system
  - 3. Functions
  - 4. Capability
- B. Apply new functionality and features
  - 1. Functional changes
  - 2. Processing changes
  - 3. Equipment requirements
  - 4. Identifying menu changes
  - 5. New Commands and menu layouts
- C. Generating components, creating assemblies, and making drawings
  - 1. Menu items and upgrades
  - 2. Command entries
  - 3. Mapkeys
  - 4. Feature and component operations

## VII. Assignment

- A. Lab projects.
- B. Worksheets.
- C. Reading from textbooks and references.

## VIII. Methods of Evaluating Objectives

- A. Completion of lab projects.
- B. Comprehensive design projects.
- C. Comprehensive final exam

## IX. Texts and References

- A. Text:
  - 1. Lamit, Louis Gary. Pro/ENGINEER Wildfire, SDC, 2005
  - 2. PTC, Pro/ENGINEER Update Tutorial, 2005