

I. Catalog Information

Pro/ENGINEER Wildfire (Update)		4 Unit(s)
CDI 79D	Pro/ENGINEER Wildfire 5.0 (Update) - Added/Effective 2010	4 Unit(s)
CDI 79E		4 Unit(s)
CDI 79F		4 Unit(s)
CDI 79G		4 Unit(s)
CDI 79H		4 Unit(s)

Eight hours lecture-laboratory for each course.

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

II. Course Objectives

- 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.** Identify the changes in the latest version of Pro/E software.
 - 1. Commands
 - 2. Operating system
 - 3. Functions
 - 4. Capability

- B.** Apply new commands and applications of the software.
 - 1. Functional changes
 - 2. Processing changes
 - 3. Equipment requirements
 - 4. Identifying menu changes
 - 5. New commands and menu layouts
- C.** Create models, drawings, and assemblies using Pro/E with emphasis on the latest innovations.
 - 1. Menu items and upgrades
 - 2. Command entries
 - 3. Mapkeys
 - 4. Feature and component operations

VI. Assignments

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

VII. Methods of Instruction

Lecture and visual aids
Discussion of assigned reading
Discussion and problem solving performed in class
Homework and extended projects
Laboratory experience which involve students in formal exercises

VIII. Methods of Evaluating Objectives

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

IX. Texts and Supporting References

- A.** Examples of Primary Texts and References
 - 1. Lamit, Louis Gary, Pro/ENGINEER Wildfire, Cengage, 2010
- B.** Examples of Supporting Texts and References
 - 1. Pro/ENGINEER WF5.0 Update, CADQuest