



ECMS: Course Outline Creation & Management

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Degree Applicable
Effective Quarter: Fall 2010

I. Catalog Information

CDI 88A	AutoCAD (Update)	4 Unit(s)
CDI 88B	AutoCAD (Update)	4 Unit(s)
CDI 88C	AutoCAD (Update)	4 Unit(s)
CDI 88D	AutoCAD (Update)	4 Unit(s)
CDI 88E	AutoCAD (Update)	4 Unit(s)
CDI 88F	AutoCAD (Update)	4 Unit(s)
CDI 88G	AutoCAD (Update)	4 Unit(s)
CDI 88H	AutoCAD (Update)	4 Unit(s)

Requisites:

Grading: Graded

Hours: Eight hours lecture-laboratory.

Description: Principles and application changes in the AutoCAD software. Designed to upgrade users to the latest version yearly.

II. Course Objectives

- A. Identify the changes in the latest version of AutoCAD software.
- B. Apply new commands and applications of the software.
- C. Create models, drawings, and assemblies using AutoCAD 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 AutoCAD 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 AutoCAD with emphasis on the latest innovations.
1. Menu items and upgrades
 2. Command entries
 3. Mapkeys
 4. Feature and component operations

VI. Assignments

- A. In-class exercises and written reports
- B. CAD projects demonstrating mastery of software
- C. Reading from text and reference materials

VII. Methods of Instruction

Lecture and visual aids
Discussion of assigned reading
Discussion and problem solving performed in class
Quiz and examination review performed in class
Homework and extended projects
Field observation and field trips
Guest speakers
Collaborative learning and small group exercises
Collaborative projects
Laboratory exercises

VIII. Methods of Evaluating Objectives

- A. Quizzes to determine understanding of various tools and methods
- B. Midterm examination
- C. CAD projects and exercises
- D. Comprehensive final examination

IX. Texts and Supporting References

- A. Examples of Primary Texts and References
 1. AutoDesk Press; AutoDesk AutoCAD, Essentials: 2010.
- B. Examples of Supporting Texts and References
 1. None