CM 150: CURRENT TECHNOLOGY APPLICATIONS IN CONSTRUCTION

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2024
Credits:	2
Total Contact Hours:	36
Lecture Hours :	36
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	72
Total Student Learning Hours:	108
Prerequisite:	CM 110.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter

Catalog Course Description

This course covers technology applications commonly utilized in today's construction industry, including applications that are used in construction management processes. 36 lecture hours.

Course Objectives

- Through assigned homework and lab work assignments, demonstrate appropriate utilization of computer technology and relevant software applications.
- Identification of current computer trends in construction industry technology.
- Through group projects and presentations, demonstrate appropriate use of technology-based tools and templates for a specific construction management process, including but not limited to planning, design, estimating, scheduling, cost control and/or construction documentation, as approved by instructor.

Major Course Content

1. Information Management Tools.
2. Microsoft Applications
3. Bluebeam
4. Building Information Modeling (BIM)
5. Project Document Management and Interface Applications

Suggested Reading Other Than Required Textbook

Instructor assigned articles on selected topics about computer technology applications in the construction industry.

Examples of Required Writing Assignments

Write a report that addresses trends and/or the advantages and disadvantages of a particular computer-based technology in the current construction environment.

Examples of Outside Assignments

Given assigned drawings, prepare a basic EXCEL based estimate of resources typically required for the project.

Instruction Type(s)

Lecture, Online Education Lecture