

# CM 295: CONSTRUCTION PROJECT MANAGEMENT CAPSTONE

## Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	3
Total Contact Hours:	54
Lecture Hours :	54
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	108
Total Student Learning Hours:	162
Prerequisite:	CM 275 and CM 290.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter

## Catalog Course Description

In this course, students will demonstrate knowledge and skills acquired throughout the construction program of study. The course will simulate construction project management processes on a construction related project and will include a formal presentation. Subject areas include project analyses, cost estimating, planning and scheduling processes will be addressed, as well as construction safety and ethics, as well as applications and implementation of project management principles for alternative project delivery systems in today's construction industry with actual case studies. 54 lecture hours.

## Course Objectives

- Demonstration and Application of the Integrated Construction Project Management Process
- Demonstrate ability to work in a diverse team environment to achieve successful project delivery outcomes.

## Major Course Content

1. Project Management Overview
2. Life Cycle of Project, Contract Delivery Methods, Project Delivery Methods
3. Request for Qualifications (RFQ) & Request for Proposal (RFP) / Client Needs
4. CSI Divisions & UniFormat Systems
5. Project Team Organization / Roles & Responsibilities
6. Project / Contract Administration Requirement & Documentation
7. Design/Permit/Construction/Warranty & Operations phases
8. Project Estimate / Budget
9. General Conditions / Insurance & Bonds / Overhead & Profit / Value Engineering
10. Site Logistics & Project Phasing
11. Project Safety Plan (Safety and Security)
12. Project Quality Management Plan (QA / QC)

13. Project Schedule
14. Project Controls- Cost & Scheduling
15. Cost Control and Reporting (Progress Payment)
16. Risk Management Plan
17. BIM/VD&C
18. Sustainable/LEED Design and Construct Features
19. Community Interface / Community Outreach
20. Dispute Resolution and Contract Remedies
21. Project Close-Out
22. Ethics and Integrity

## Suggested Reading Other Than Required Textbook

Conduct project delivery evaluations and communications, both written and verbal.

## Examples of Required Writing Assignments

Group presentations, both written and verbal

## Examples of Outside Assignments

Project Team assignments

## Instruction Type(s)

Lecture, Online Education Lecture