

BLD 207: Project Management Historic Preservation and Restoration

Instructor: Kate Dimon, cdimon@clatsopcc.edu

Online Course

COURSE DESCRIPTION

Introduction to construction project management, including overview of the design and construction process, construction planning, coordinating construction projects, cost estimating, labor, material and equipment utilization, negotiating, team work, communication, leadership and ethics.

Introduction

Project Management encompasses the nine bodies of knowledge which students will be asked to understand and apply to projects.

Students will learn how project management roles are changing as innovative contracts, alternate delivery systems, alternative dispute resolution, and creative project financing are increasingly changing how projects are administered. The modern project manager has more information available than ever before and information technology is changing rapidly.

Students will learn about cost and risk control as well as developing and applying policies and procedures. Other topics will include subcontractor management, purchasing and project financing. Project start up and close out techniques will be covered.

Course objectives

By the end of this class you should:

Know the PMP nine bodies of knowledge and their application.

Project Integration Management

1. Project Scope Management
2. Project Time Management
3. Project Cost Management
4. Project Quality Management
5. Project Human Resource Management
6. Project Communications Management
7. Project Risk Management
8. Project Procurement Management

Also;

1. Know about the different project delivery systems and how each affects the role of the project management team.
2. Know how to manage the flow of project information during the various phases of the project.
3. Be able to manage the various types and sources of risk that are the primary responsibility of the

project supervisor.

4. Understand the role of planning and scheduling in the pre-construction phase of a construction project.
5. Be able to manage the mobilization and organization of a project in the field.
6. Understand the basics of expediting materials, equipment orders and the inspection and approvals processes.
7. Be able participate in project design and start up.
8. Understand how project financing plays a role in modern construction management, cash flow, and project cost control.
9. Be able to apply subcontractor management techniques.
10. Be able to coordinate the close out of a construction project and understand the role of commissioning.
11. Understand how corporate policies and procedures can affect the management of the project.

SPECIFIC EDUCATIONAL OUTCOMES

- At the conclusion of this course, students should be able to:
- List the nine bodies of knowledge and how they interrelate;
- Explain how both the schedule and estimate are used as controls on a construction project;
- Identify the issues involved in setting up, managing, and closing out a construction project and develop an effective strategy for resolving them;
- Identify the staff required for a given project, and develop a strategy for managing it effectively.
- Understand Change Control programs;

- Develop an effective risk management and safety program;
- Identify the sources of claims;
- List the steps involved in resolving claims;
- Identify the various dispute resolution methods and their proper application;
- Develop an effective project close-out plan.

TEXTBOOKS AND OTHER MATERIAL

Provided online on Blackboard

COURSE ORGANIZATION & EVALUATION

The following table lists the learning modules, the maximum value in points a student can receive within each module, and the time in which the modules must be finished.

Module	Point Value	By End of Week Before start
1. Project Delivery Systems	25	1
2. Managing Information	25	2
3. Managing Risk	25	3
4. Planning the Work 1	25	4
5. Planning the Work 2	25	5
6. Managing Materials and Methods	25	6
7. Understanding Finances	25	7
8. Working with Project Partners	25	8
9. Understanding People	25	9
10. Corporate Policies and Procedures	25	10

Total Points

FINAL

A Final exam??

A Team Presentation on a Construction Project is included to develop real world presentation skills. In order to keep us sharp, we will have weekly deliverables, just like a Construction Project.

ACADEMIC HONESTY AND GRADING SYSTEM

All students are subject to the policies described in the CCC Catalogue.

The principles of Truth and Honesty are recognized as fundamental to the community of Scholars & Teachers. Giving aid to a Student during an exam or taking information from another Student or Student's exam constitutes academic dishonesty. Students caught cheating will receive a failing grade in the course. Student's are encouraged to work together to solve homework problems, but copying is clearly prohibited.