

Advanced Project Management

Course #AIABLT304



Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request. This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA or any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Course Description

This six hour course focuses on the primary responsibilities of a project manager: managing project costs and time, while completing the project to the expected degree of quality. This requires close attention to detail before beginning actual construction, as well as during the project. Taking proactive measures will help the project manager determine possible obstacles before they occur. This course will analyze all three primary areas. The student will learn how to implement proven methods to manage most effectively.

After completing this course participants will be able to:

- Identify and explain the steps necessary to develop a project budget.
 - Determine project costs, company overhead, and profit.
 - Outline the roles and duties of key management team members.
 - Implement procedures for proper project documentation.
-

COURSE OUTLINE

Chapter 1- Cost Management (Project Budget)

**Learning Objectives:* 1) Explain the steps necessary to develop a project budget. 2) Describe the primary elements of procurement.

1. Project Budget
2. Change Orders
3. Procurement
4. Employees
5. Unit Costs

Chapter 2- General Guidelines of Lending

***Learning Objectives:** 1) List four elements of a typical construction loan. 2) Describe the process of completing a Sworn Statement. 3) Describe two examples of common cost overruns.

1. Loans
2. Sworn Statements
3. Project Funds

Chapter 3- Time Management

***Learning Objectives:** 1) Describe how to develop a Critical Path 2) Explain the features of an Activity Node.

1. Subcontractors
2. Critical Path

Chapter 4- Quality Control

***Learning Objectives:** 1) Describe the benefits of good communication with subcontractors. 2) List several elements of a construction Daily Log Book.

1. Management
2. Materials
3. Daily Log Book
4. Standards

Chapter 5- Erosion Control

***Learning Objective:** 1) Understand the contractor's responsibility for erosion control.

1. Best Practices
2. Sediment Fences