



Consulting and Training | Reach New Heights

Course Name

Construction Cost Estimation and Control

Sector Name

Civil Engineering

Document Type

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Construction Cost Estimation and Control

Course Introduction

Construction Cost Estimation

This comprehensive training course on Construction Cost Estimation and Control provides participants with the essential skills and knowledge required to effectively estimate and manage costs throughout the lifecycle of a construction project. It covers the systematic approach to forecasting costs, from the initial design phase to project completion. By understanding different types of cost estimates, tools, and methodologies, learners will be equipped to develop accurate project budgets, monitor expenditures, and implement effective cost control strategies.

The course also emphasizes the significance of cash flow management and financial oversight, allowing participants to minimize risks and maximize profitability.

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Construction Cost Estimation and Control

Target Audience

- ✓ Construction Managers
- ✓ Construction Cost Estimators
- ✓ Project Managers
- ✓ Engineers (Civil, Structural, Electrical)
- ✓ Property Developers
- ✓ Quantity Surveyors
- ✓ Construction Workers aspiring to move into management roles

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Construction Cost Estimation and Control

Learning Objectives

- ✓ Understand the principles of construction management and cost estimation.
- ✓ Differentiate between various types of cost estimates and their application.
- ✓ Master tools and methods used for effective cost estimation.
- ✓ Learn techniques for controlling costs and monitoring cash flow.
- ✓ Conduct break-even analyses for construction projects.
- ✓ Enhance their understanding of project material management and its impact on costs.
- ✓ Gain insights into factors influencing construction costs and how to mitigate them.

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Construction Cost Estimation and Control

Course Outline

✓ DAY 01

Introduction to Construction Cost Estimation

Session 1: Overview of Construction Management

- ✓ Roles and responsibilities in construction projects
- ✓ Importance of cost estimation in project success

Session 2: Fundamentals of Cost Estimation

- ✓ Definition and significance of cost estimation
- ✓ Phases of construction projects and their cost implications

Workshop: Introduction to Estimation Tools

- ✓ Overview of software and tools commonly used in cost estimation

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Course Outline

✓ Day 02

Types of Cost Estimates

Session 1: Understanding Different Types of Cost Estimates

- ✓ Conceptual estimates, preliminary estimates, and detailed estimates
- ✓ Comparison of different estimation techniques (top-down vs. bottom-up)

Session 2: Tools and Methods for Estimating Costs

- ✓ Estimation templates and their use in construction
- ✓ Utilizing historical data for accurate forecasting

Workshop: Hands-On Estimation Practice

- ✓ Participants will create preliminary estimates based on given project scenarios

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Course Outline

✓ Day 03

Cost Control Techniques

Session 1: Importance of Cost Control in Construction

- ✓ Definition and objectives of cost control
- ✓ Key performance indicators (KPIs) for monitoring costs

Session 2: Managing Project Cash Flow

- ✓ Understanding cash flow statements and their relevance to construction projects
- ✓ Techniques for forecasting cash flow needs

Workshop: Break-Even Analysis

- ✓ Participants will conduct a break-even analysis of specific construction tasks

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Course Outline

✓ Day 04

Advanced Cost Estimation Strategies

Session 1: Factors Influencing Cost Estimation

- ✓ Identifying and analyzing variables that affect project costs (labor, materials, overhead)
- ✓ Risk assessment and its impact on cost estimation

Session 2: Leveraging Technology for Cost Estimation

- ✓ Introduction to advanced software solutions for cost management
- ✓ Integrating Building Information Modeling (BIM) in cost estimation

Workshop: Case Study Analysis

- ✓ Analyze a real-world project to identify cost estimation challenges and solutions

Construction Cost Estimation and Control

Course Outline

✓ Day 05

Project Material Management and Course Wrap-Up

Session 1: Effective Material Management

- ✓ Understanding the role of material management in controlling costs
- ✓ Techniques for procurement and inventory management

Session 2: Final Review and Future Trends in Cost Estimation

- ✓ Recap of key concepts covered throughout the course
- ✓ Discussion on emerging trends in construction cost management

Workshop: Group Presentations

- ✓ Participants present their cost estimation strategies for a hypothetical project
- ✓ Q&A Session and Course Evaluation

Closing:

- ✓ Open floor for questions and feedback
- ✓ Discussion on continuous learning and career development opportunities

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 7, 2027	June 11, 2027	5 days	4950.00 \$	Spain , Madrid
Oct. 5, 2026	Oct. 9, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Nov. 29, 2026	Dec. 3, 2026	5 days	4250.00 \$	KSA , Jeddah
Jan. 18, 2027	Jan. 22, 2027	5 days	4250.00 \$	UAE , Abu Dhabi

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