

Building Construction Management

Course Description

In this training, students will learn how to effectively plan and lead building construction projects to obtain the necessary knowledge and skill in financial and construction aspect of construction management.

Learning Outcomes

- Understand how the five phases of project management is applied in this subject matter
- Create an effective plan that adheres to construction laws and building codes
- Understand the financial aspect that goes into construction management

Teaching Methods

This course will use lectures accompanied by case studies, examples both in graphics and in text to facilitate trainees learning. Trainees will also be encourage to speak their minds to create a more interactive learning.

Course Outline

Introduction to Construction Management

- Principles of Construction Management

Legal Aspects in Construction

- Construction Laws and Principles
- Understanding Contracts
- Obligations and Liabilities
- Building Codes

Understanding the Construction Process

- Project Life Cycle
- Feasibility of Project
- Creating a Construction Project Plan
- Developing Risk Management Plan
- Creating your Project Schedule

Construction Methods and Technology

- Mechanical, electrical, plumbing and sprinkler systems
- Types of Foundation
- Exterior and Interior materials

Financial Aspects in Construction

- Basic Financial Accounting
- Cost Control
- Procurement of materials and services

