

BPM101 Interdisciplinary Studies in Construction

Level: 1

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

BPM101 Interdisciplinary Studies in Construction provides student an insight into the roles and responsibilities of the main players in a construction project, including the client, architect, engineer (civil, structural, electrical and mechanical), quantity surveyor, project manager, main contractor, specialist contractor and subcontractor. Their job scopes are identified so as to remove functional silos between the professions, and to facilitate and promote an integrated approach to the development, design and implementation of construction projects.

Topics:

- The Nature of Projects
- The Nature of Contracts and Project Relationships
- Roles and Responsibilities of Project 'Initiators'
- Roles and Responsibilities of Project 'Guardians'
- Roles and Responsibilities of Project Designer
- Roles and Responsibilities of Project Specialists
- Roles and Responsibilities of Project 'Implementers'
- Roles and Responsibilities of Project 'Conductors'
- Examining the Project Organisation
- The Silo Effect
- Leadership and Integration
- Integration and Productivity

Learning Outcome:

- Identify the main stakeholders in a construction project
- Describe the responsibilities of the architect, engineer, quantity surveyor, builder, subcontractor, supplier and project manager
- Illustrate the importance of interdisciplinary integration in a construction project
- Identify the problem of functional silos between the different professions in a construction project
- Explain how the construction industry can transform from one that is Dirty, Dangerous and Demanding to one that is Progressive, Productive and Professional
- Demonstrate understanding and ability to improve productivity in a construction project

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2

Overall Continuous Assessment	PRE-CLASS QUIZ 3	2
	QUIZ 1	10
	GROUP CASE STUDY REPORT 1	14
Overall Examinable Components	Written Exam	70
Total		100