

# BPM101e Interdisciplinary Studies in Construction

**Level:** 1

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JAN

**E-Learning:** BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

## 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:

Continuous Assessment Component	Weightage (%)
PRE-CLASS QUIZ	2

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QUIZ	10
GROUP CASE STUDY REPORT	14
<b>Sub-Total</b>	<b>30</b>

<b>Examinable Component</b>	<b>Weightage (%)</b>
Written Exam	70
<b>Sub-Total</b>	<b>70</b>

**Weightage Total** **100**