

# **BPM503 Project Risk Management in Construction Projects**

**Level:** 5

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JULY

## **Synopsis:**

This course aims to equip students with the essential skills and knowledge required to manage the risks in construction projects. It provides thorough discussions of the various concepts, tools and techniques involved in risk management process and applications of how these methods can empower the decision making of the project manager. Case studies of risk management in construction projects will be used to demonstrate key principles of project risk management learnt.

## **Topics:**

- Key Principles of Risk Managements
- Project Environment and Types of Risks in Construction Projects
- Risk Management System in Construction Projects
- Risk Identification Techniques
- Risks in International Construction Project Joint Ventures
- Qualitative Risk Assessment
- Quantitative Risk Assessment
- Risk Modelling and Simulation for Construction Projects
- Risk Mitigation Strategies
- Risk Allocation in Contracting and Procurement
- Managing Financial Risks
- Case Studies

## **Textbooks:**

Nigel J. Smith, Tony Merna, Paul Jobling: Managing Risk in Construction Projects Third Wiley Blackwell  
ISBN-13: 9781118347232

**Learning Outcome:**

- Appraise and identify Project Risk
- Prepare qualitative risk assessment
- Prepare quantitative risk assessment
- Appraise and manage the financial risks
- Formulate risk response proposals
- Recommend risk mitigation strategies
- Examine risks in international projects
- Set up risk monitoring and control plan

**Assessment Strategies (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	QUIZ 1	10
	TUTOR-MARKED ASSIGNMENT 1	20
	TUTOR-MARKED ASSIGNMENT 2	20
Overall Examinable Components	Written Exam	50
<b>Total</b>		<b>100</b>