

# **BPM307 Cost Planning and Estimation**

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JULY

## **Synopsis:**

BPM307 Cost Planning and Estimation covers the basic principles relating to estimating of items of the work to be undertaken on projects, and tendering. Major topics are quantitative techniques in cost analysis, cost planning, approximate estimating and tendering procedures. The principles governing the pricing of items and building up rates for items of work are also covered.

## **Topics:**

- Preparation of Project Budget
- Building Economics and Costs Analysis
- Preambles
- Measurements/ Taking Off
- Bills of Quantities
- Principles of Pricing
- Principles of Building-up Rates
- Conceptual Estimating
- Cash-Flow Modeling and Trending
- Value and Construction Cost Analysis
- Progress Payment Assessment
- Change Order Estimates
- Cost Planning
- Estimation
- Tendering Procedures

## **Textbooks:**

Building Cost Planning For The Design Team 3rd Smith & Jim Routledge  
ISBN-13: 9781317442004

BPM307 Study Guide  
ISBN-13: SG-1273

**Learning Outcome:**

- Use the basic principles of cost planning and estimation
- Discuss and compare the different methods of pricing and building up rates
- Demonstrate ability to conduct cost analysis and cost planning
- Appraise construction value and cost
- Demonstrate ability to prepare cost estimate for tender and calculate progress payment
- Formulate strategies for cost planning and estimation

**Assessment Strategies - Regular Semester (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	10
	TUTOR-MARKED ASSIGNMENT 2	20
Overall Examinable Components	Written Exam	70
<b>Total</b>		<b>100</b>

\*The information listed is subject to review and change.