

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:

Smith & Jim: Building Cost Planning For The Design Team (eBook) 3rd Edition, 2016 Routledge, (Taylor & Francis)
ISBN-13: 9781317442004

Smith & Jim: Building Cost Planning For The Design Team (eBook) 3rd Edition, 2016 Routledge, (Taylor & Francis)
ISBN-13: 9781317442004-AA

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:

Continuous Assessment Component	Weightage (%)
TUTOR-MARKED ASSIGNMENT	10
TUTOR-MARKED ASSIGNMENT	20
Sub-Total	30

Examinable Component	Weightage (%)
Written Exam	70
Sub-Total	70

Weightage Total **100**