FMT313 Building Information Modeling for Facilities Management

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

FMT313 Building Information Modeling for Facilities Management provides an overview of Building Information Modeling (BIM) and how it can be applied to facilities management. The objective of the course is to enable the undergraduates to read and navigate the BIM software, and to impart knowledge of best building information modeling practices and techniques to improve facilities management practices such as venue and space management.

Topics:

- Construction IT
- Virtual design and construction
- IT in facilities management such as FCC and BAS
- Basics in BIM
- Benefits of BIM
- Reading and navigation
- Rendering and modelling
- Integration and 4D BIM
- Regulatory submission procedures
- BIM for the facilities manager
- Best practices
- The future of BIM

Textbooks:

IFMA, Paul Teicholz: BIM for Facility Managers (eText) John Wiley
ISBN-13: 9781118420676

Learning Outcome:

- Discuss the uses of construction IT and BIM in facilities management
- Appraise the practices of BIM
- Assess the value of BIM
- Examine building information using BIM
- Recommend BIM techniques in facilities management
- Improve facilities management practices by using BIM

Assessment Strategies (Evening Class):

Components	**Description**	**Weightage Allocation (%)**
Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	PRE-CLASS QUIZ 3	2
	TUTOR-MARKED ASSIGNMENT 1	10
	TUTOR-MARKED ASSIGNMENT 2	14
Overall Examinable Components	Written Exam	70
Total		**100**