

FMT504 Asset Management for FM

Level: 5

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

This course introduces the general principles of built assets management including assets management function, life cycle management, financial analysis. With the advancement of digital technologies and the increased adoption these digital technologies in design and construction phases, owners, asset managers, facilities managers stand to gain huge benefits with the delivery of digital asset information model. In order to effective for asset management, it is important that the required information to be captured throughout the various phases of project lifecycle. Students will learn the information requirements for the digital asset delivery as well as the benefits and management of digital assets.

Topics:

- Asset Management Fundamentals
- Asset Management Standards (ISO 55000)
- Asset Management System
- Asset Information Strategy and Standards
- Digital Asset Information Delivery
- Digital Asset Management (Data Analytics)
- Life Cycle Asset Management
- Financial Return on Investments
- Discounted Cash Flow for Asset Management Decisions
- Assets Enhancement Initiative
- Risk and Value Management
- Case Studies

Learning Outcome:

- Appraise the financial return on investments
- Estimate discounted cash flow
- Formulate asset information strategy
- Formulate asset information standards
- Estimate the life cycle costing of assets
- Recommend asset information requirements (AIR)
- Distinguish the benefits of implementation of digital asset information model
- Propose asset enhancement initiative

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	QUIZ 1	10

Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	20
	TUTOR-MARKED ASSIGNMENT 2	20
Overall Examinable Components	Written Exam	50
Total		100