

FMT501 Circular Sustainable FM

Level: 5

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

Majority of impact on climate change caused by the building industry is created during the operating phase due to resource and energy consumption and waste production. Hence, the way facilities are managed and operate has a substantial influence on the sustainability drive in the entire building sector, as well as the upcycling of building resources when their useful life ends. Facilities managers play important roles in developing and implementing sustainable policies aligned with their organisation's sustainability agenda. FMT501 Circular Sustainable FM equips facilities managers with essential skills required to effectively manage facilities from a sustainable and circular economy perspective.

Topics:

- Concepts of Sustainable FM (including Green Maintainability and Design for Maintainability (DfM))
- Circular Economy in the Built Environment
- Biomimicry and Zero Waste Design Guidelines
- Design for Adaptability and Reuse; Design for Disassembly
- Legislative and Regulatory Requirements for Sustainability
- Responsibilities and Roles of FM in ensuring Sustainability and Circularity
- Development of Sustainable FM plans
- Life Cycle Management of Facilities
- Sustainable Procurement Practices and Sustainable Energy Management
- Measurement, Benchmarking and Target Performance in FM
- Monitoring and Reporting of Sustainability Performance
- Case Studies

Learning Outcome:

- Appraise the role of FM in driving sustainability and circular economy
- Formulate sustainable policies aligned with organization's commitment towards social responsibility
- Recommend measures to improve energy efficiency
- Evaluate life cycle management of facilities
- Propose the procurement of sustainable services and products
- Examine the implementation of sustainable FM and circular economy policies principles over facilities life cycles
- Assess and monitor target performance in FM
- Prepare sustainable FM plans

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
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Overall Continuous Assessment	QUIZ 1	10
	TUTOR-MARKED ASSIGNMENT 1	20
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	ECA	50
Total		100