

Module Information

2022.01, Approved

Summary Information

Module Code	7201BEUG
Formal Module Title	Commissioning, Maintenance and Facilities Management
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	20
Tutorial	20

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To provide an in depth awareness of the key issues of commissioning of building engineering systems, maintenance of such systems and the integration of maintenance with the facilities management regime in buildings.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain and evaluate the key issues and practices involved in the commissioning of building engineering systems and plant in complex commercial buildings.
MLO2	2	Explain and evaluate the key issues and practices involved in the maintenance of building engineering systems and plant in complex commercial buildings.
MLO3	3	Describe and evaluate the interrelationship between the commissioning and maintenance of building engineering systems and plant in complex commercial buildings and the role of the facilities manager.
MLO4	4	Analyse and evaluate the applicability of the systems and models used in the context of both maintenance and facilities management.

Module Content

Outline Syllabus	Design, commissioning and performance of buildings – introducing the “performance gap”.Commissioning methodologies for building engineering systems and plant.Building engineering systems maintenance strategies and programmes.The significance and role of building maintenance.Maintenance management principles and application.The role and skills of the facilities manager in the maintenance of building engineering systems and plant.The benefits of facilities management.Application of facilities management skills to the workplace.Facilities management in a business context.Innovation and creativity in service delivery.Sustainability in the context of maintenance and facilities management.Development of a facilities management strategy.
Module Overview	
Additional Information	The module provides an in depth awareness of the key issues of commissioning, maintenance and facilities management for Architectural and Building Services Engineers.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Report	50	0	MLO3, MLO4
Centralised Exam	Examination	50	2	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Laurence Brady	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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