

## Summary Information

<b>Module Code</b>	6334BEUG
<b>Formal Module Title</b>	Commissioning and Facilities Management
<b>Owning School</b>	Civil Engineering and Built Environment
<b>Career</b>	Undergraduate
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 6
<b>Grading Schema</b>	40

## Module Contacts

### Module Leader

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

### Module Team Member

Contact Name	Applies to all offerings	Offerings
Hu Du	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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## Teaching Responsibility

<b>LJMU Schools involved in Delivery</b>
Civil Engineering and Built Environment

## Learning Methods

Learning Method Type	Hours
Lecture	20
Online	10
Tutorial	20

### Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

<b>Aims</b>	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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### Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Investigate and evaluate the key issues and practices involved in the commissioning of building engineering systems and plant in complex commercial buildings.
MLO2	Investigate and evaluate the key issues and practices involved in the maintenance of building engineering systems and plant in complex commercial buildings.
MLO3	Analyse 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	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. Handover procedures between installers and facilities managers 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 support of core business requirements. Sustainability in the context of maintenance and facilities management. Application of facilities management skills to the workplace. Facilities management in a business context.

## Module Overview

This module 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.

## 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. On the Building Services Engineering Degree Apprenticeship programme, the knowledge learning outcomes are K4, K6, K9, the skills learning outcomes are S1, S2, and the behaviours learning outcomes are B4, and B5.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Centralised Exam	Exam	60	2	MLO4, MLO1, MLO2, MLO3
Portfolio	Report	40	0	MLO4, MLO1, MLO2, MLO3