

Module Information

2022.01, Approved

Summary Information

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| Module Code | 6333BEUG |
| Formal Module Title | Commissioning and Facilities Management |
| Owning School | Civil Engineering and Built Environment |
| Career | Undergraduate |
| Credits | 20 |
| Academic level | FHEQ Level 6 |
| Grading Schema | 40 |

Teaching Responsibility

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| LJMU Schools involved in Delivery |
| Civil Engineering and Built Environment |

Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture | 20 |
| Online | 10 |
| Tutorial | 20 |

Module Offering(s)

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

Aims and Outcomes

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| 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 | Investigate and evaluate the key issues and practices involved in the commissioning of building engineering systems and plant in complex commercial buildings. |
| MLO2 | 2 | Investigate and evaluate the key issues and practices involved in the maintenance of building engineering systems and plant in complex commercial buildings. |
| MLO3 | 3 | 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 | 4 | Analyse and evaluate the applicability of the systems and models used in the context of both maintenance and facilities management. |

Module Content

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| 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 | |
| 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 |
|---------------------|-----------------|--------|--------------------------|---------------------------------|
| Report | Report | 40 | 0 | MLO1, MLO2, MLO3, MLO4 |
| Centralised Exam | Exam | 60 | 2 | MLO1, MLO2, MLO3, MLO4 |

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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