

Module Information

2022.01, Approved

Summary Information

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| Module Code | 6219BEUG |
| Formal Module Title | Strategic Construction Project 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 | 14 |
| Seminar | 6 |
| Workshop | 20 |

Module Offering(s)

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

Aims and Outcomes

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| Aims | To enable students to work on realistic projects that enables the integration and development of a range of professional skills considering aspects of refurbishment and contractual arrangements. |
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After completing the module the student should be able to:

Learning Outcomes

| Code | Number | Description |
|------|--------|--|
| MLO1 | 1 | Critically evaluate alternative technological solutions with regard to problems recognised at the early stages of a project. |
| MLO2 | 2 | Critically appraise procurement processes and contractual situations within a given project scenario. |
| MLO3 | 3 | Apply construction management and technology solutions to a refurbishment project. |
| MLO4 | 4 | Produce a range of project documentation to a professional standard. |

Module Content

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| Outline Syllabus | Key issues and challenges - dealing with waste, dealing with asbestos, health and safety in refurbishment work, programming the works, controlling costs, dealing with unknowns, contractual issues, preconstruction issues such as survey/laser scanning, demolition and the design process. Procurement processes Construction contract including application and implications on a construction project Sustainable development Technologies – thermal insulation upgrading and retrofitting. Over-cladding and over-roofing. Energy efficient glazing. Exploiting thermal mass. Structural repairs to concrete, timber and masonry. Underpinning. Design implications of technologies on listed buildings such as secondary glazing to improve thermal properties and acoustics. |
| Module Overview | This module allows you to work on realistic projects and consider the application of a range of professional skills including aspects of refurbishment and contractual arrangements. You will: <ul style="list-style-type: none"> • Critically appraise procurement processes and contractual situations within a given project scenario • Apply construction management and technology solutions to a refurbishment project • Produce a range of project documentation to a professional standard. |
| Additional Information | This module allows students to work on realistic projects and consider the application of a range of professional skills including aspects of refurbishment and contractual arrangements. In this module, the knowledge learning outcomes are K2, K6, K7, K9, K13, the behaviours learning outcomes are B1 and the skills learning outcomes are S1, S3, S4, S5, S9. |

Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Module Learning Outcome Mapping |
|---------------------|-------------------------|--------|--------------------------|---------------------------------|
| Report | Scenario Based | 60 | 0 | MLO1, MLO2, MLO3, MLO4 |
| Report | Based around Case Study | 40 | 0 | MLO1, MLO2, MLO3, MLO4 |

Module Contacts

Module Leader

| Contact Name | Applies to all offerings | Offerings |
|--------------|--------------------------|-----------|
| Yog Upadhyay | Yes | N/A |

Partner Module Team

| Contact Name | Applies to all offerings | Offerings |
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