

### Summary Information

|                            |   |
|----------------------------|---|
| <b>Module Code</b>         | 5343BEUG                                |
| <b>Formal Module Title</b> | Work Based Learning                     |
| <b>Owning School</b>       | Civil Engineering and Built Environment |
| <b>Career</b>              | Undergraduate                           |
| <b>Credits</b>             | 10                                      |
| <b>Academic level</b>      | FHEQ Level 5                            |
| <b>Grading Schema</b>      | 40                                      |

### Module Contacts

#### Module Leader

| Contact Name  | Applies to all offerings | Offerings |
|---------------|--------------------------|-----------|
| Ibijoke Idowu | Yes                      | N/A       |

#### Module Team Member

| Contact Name   | Applies to all offerings | Offerings |
|----------------|--------------------------|-----------|
| Saiful Bhuiyan | Yes                      | N/A       |
| Laurence Brady | Yes                      | N/A       |

#### Partner Module Team

| Contact Name | Applies to all offerings | Offerings |
|--------------|--------------------------|-----------|
|--------------|--------------------------|-----------|

### Teaching Responsibility

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

## Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture              | 11    |
| Tutorial             | 11    |

## Module Offering(s)

| Offering Code | Location | Start Month | Duration |
|---------------|----------|-------------|----------|
| JAN-CTY       | CTY      | January     | 12 Weeks |

## Aims and Outcomes

|             |   |
|-------------|---|
| <b>Aims</b> | To capture the role of Building services within the wider construction sphere through the experiences of the student in their regular professional role and how the contractual requirements are implemented. |
|-------------|---|

## Learning Outcomes

After completing the module the student should be able to:

| Code | Description  |
|------|--|
| MLO1 | Evaluate the role of communication as part of a professional design team and between colleagues within a company or organisation.      |
| MLO2 | Report on how building services engineering contributes to energy efficiency in operational buildings                                  |
| MLO3 | Compare and contrast the differing nature of contractual relationships within building services engineering.                           |
| MLO4 | Make use of computer applications within the context of building services/architectural design or post occupancy facilities management |

## Module Content

| Outline Syllabus   |
|--|
| How building services engineers must appreciate the various roles and priorities within a multi-discipline professional team including the intricacies of partner disciplines and coordination requirements. How the key aspects of contracts appear in different contractual arrangements. The value of building services/ architectural engineering in energy efficiency and contributing to reduced life-cycle costs and carbon emissions. Software applications in design, simulation or facilities management. The benefits and various methods/tools, which are used to convey information so that errors and ambiguities within projects are avoided. |

## Module Overview

This module introduces students to the necessity of co-ordination between disciplines for construction professionals through an analysis of project management situations, combined with an examination of the need for, and requirements of, continuous personal professional development.

## Additional Information

The module introduces students to the necessity of co-ordination between disciplines for construction professionals through an analysis of project management situations, combined with an examination of the need for, and requirements of, continuous personal professional development. On the Building Services Engineering Degree Apprenticeship programme, the knowledge learning outcomes are K1, K2, K3, K4, K7, the skills learning outcomes are S1, S2, S7, and the behaviours learning outcomes are B1, B2, B4, and B7.

## Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Learning Outcome Mapping |
|---------------------|-----------------|--------|--------------------------|--------------------------|
| Portfolio           | Portfolio       | 100    | 0                        | MLO3, MLO2, MLO1, MLO4   |