



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Commercial Development		
Module Code	UBLMNL-30-3	Level	Level 6
For implementation from	2019-20		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Architecture and the Built Environment
Department	FET Dept of Architecture & Built Environ		
Module type:	Standard		
Pre-requisites	Construction Technology and Services 2019-20		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Overview:</b> Pre-requisites: students must take one out of UBLMAB-30-1 An Introduction to Building Construction, or UBLMYS-30-1 Construction Technology and Services or UBLLWH-30-1 Investigating Structures</p> <p>Co-requisites: Relevant Professional Experience</p> <p>This module enables students to explore and evaluate the design of medium-rise and medium span framed buildings within the context of contemporary office developments. It places a particular emphasis on exploring the interconnected technologies and how they can best be used to ensure that buildings represent a sound investment on the part of the landlord by allowing adaptability into the future but also to ensure that they offer sufficient flexibility to support the business objectives of the occupier.</p> <p><b>Educational Aims:</b> In addition to Learning Outcomes, the educational experience may explore, develop, and practise but not formally discretely assess the following:</p> <p>Working as a team member</p>

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**Outline Syllabus:** The module content is studied within the emerging context of sustainable development and a raised awareness of the importance of building performance. Students will become acquainted with the range of components and installations that can be incorporated within a development but also the tools that are most frequently used to identify and evaluate their potential technical, economic and environmental performance

The following provides an indicative list of headings that will help inform the syllabus although not necessarily in this sequence, or with equal measure.

Superstructure:

Envelope

Internal components and finishes

Building Structure

Substructure:

Foundations

Basements

Ground-bearing slabs

Site analysis (brown field)

Services:

Heating

Cooling

Ventilation Strategies

Lighting Strategies

Transportation

Fire Safety

Security

Sound insulation and acoustics

Best practice in office building design; landlord and occupier's perspectives

Building form ; co-ordination and layers of change

Cost Planning and value engineering

Development appraisal; issues of cost, value and the market

Sustainable development; impact, potential drivers and measurement.

Building performance and environmental assessment

**Teaching and Learning Methods:** This module will be delivered as follows:

72 hours contact time that includes lecture based sessions, workshop sessions, small group seminars / tutorials and application-based skills and general technical

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knowledge tutorials.

72 hours engaged with essential reading in preparation for the exam.

108 hours are scheduled for self-directed learning, assimilation and development of knowledge to be able to carry out the 2 assessment pieces proposed below.

48 hours technical report preparation.

### Scheduled learning

As detailed above the module aims to gain knowledge of the technology of construction (structures and enclosure) and building services approaches for medium-rise commercial office buildings. This will be achieved mainly through the following methods: lectures, seminars, tutorials demonstration and practical classes and workshops. The tutorials during the module will have different emphasis to help the students with the assimilation of knowledge. Some of the tutorials will focus in developing application-based skills and general technical knowledge in preparation for the exam and others will guide the students to develop a small portfolio of exercises, mini-essays, analysis tasks and labs that explore different situations and scenarios related to building services applications in contemporary commercial office building projects.

### Independent learning

In order to fulfil the requirements of the module a certain amount of independent learning is required. This time is used to support the taught contact sessions and in preparation of the exam, the portfolio and the report(s). This will be achieved through the following methods: hours engaged with essential reading, formative tutorial preparation (team and individual tasks) which will contribute towards preparation for the exam and the two coursework submissions during the year. These sessions constitute an average time per level as indicated above.

### Part 3: Assessment

The assessment strategy aims to build the knowledge and practice skills needed in the subject areas: Commercial Construction technologies, Commercial Building Services Applications and Commercial Development Strategies and Economics to ensure the development of ready and able graduates.

Component A is a summative assessment in the form of a 3 hour exam. The content relates to the technical principles and concepts of medium-rise and medium-span framed building design and will cover structure, building fabric, building envelope enclosure.

Component B is a summative assessment for the commercial building services, site development and design economics content for the module.

Students will be given a single case study project at the commencement of the module, and will undertake a series of tasks (specified in module guide) that take place throughout the year that demonstrate their understanding of how key contextual factors combine with intended design and technological choices to influence the overall viability and financial impact of a commercial office project.

Students will receive formative feedback on individual tasks as they complete them, and then will finally submit the completed portfolio that includes a unifying feasibility report at the end of the module. This gives students the ability to respond to feedback as the module progresses, and to fully explore aspects of the development and cost and analysis process.

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component B	✓	50 %	Commercial property development portfolio
Examination - Component A		50 %	Exam (with seen component): 3 Hours

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Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component B	✓	50 %	Property development and building services portfolio
Examination - Component A		50 %	Exam (with seen component): 3 Hours

Part 4: Teaching and Learning Methods																	
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th>Module Learning Outcomes</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>Differentiate between a range of different construction technologies and building services installations commonly used for contemporary commercial framed buildings.</td> <td>MO1</td> </tr> <tr> <td>Demonstrate how good building design can support the business objective of an occupier and contribute to the notion of sustainable development</td> <td>MO2</td> </tr> <tr> <td>Recommend appropriate strategies and construction technologies for the design of specific elements of buildings, demonstrating the benefits of adopting an holistic approach to building design</td> <td>MO3</td> </tr> <tr> <td>Analyse a development proposal in regards to efficiencies across a range of physical, financial and environmental parameters and apply a range of modelling techniques in order to conduct a comprehensive appraisal of the options within that proposal</td> <td>MO4</td> </tr> <tr> <td>Analyse a client brief, evaluate key parameter from that brief and formulate comprehensive development solutions that respond to the brief in a professional manner</td> <td>MO5</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	Differentiate between a range of different construction technologies and building services installations commonly used for contemporary commercial framed buildings.	MO1	Demonstrate how good building design can support the business objective of an occupier and contribute to the notion of sustainable development	MO2	Recommend appropriate strategies and construction technologies for the design of specific elements of buildings, demonstrating the benefits of adopting an holistic approach to building design	MO3	Analyse a development proposal in regards to efficiencies across a range of physical, financial and environmental parameters and apply a range of modelling techniques in order to conduct a comprehensive appraisal of the options within that proposal	MO4	Analyse a client brief, evaluate key parameter from that brief and formulate comprehensive development solutions that respond to the brief in a professional manner	MO5				
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Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p><a href="https://uwe.rl.talis.com/modules/ublmnl-30-3.html">https://uwe.rl.talis.com/modules/ublmnl-30-3.html</a></p>																

**Part 5: Contributes Towards**

This module contributes towards the following programmes of study:

Building Surveying [Sep][FT][Frenchay][2yrs] GradDip 2019-20

Building Surveying [Sep][FT][Frenchay][1yr] MSc 2019-20

Building Surveying [Sep][PT][Frenchay][2yrs] MSc 2019-20

Building Surveying {With Preparatory Studies} [Sep][FT][Frenchay][2yrs] MSc 2019-20

Building Surveying [Sep][PT][Frenchay][3yrs] GradDip 2018-19

Building Surveying {With Preparatory Studies} [Sep][PT][Frenchay][3yrs] MSc 2018-19