MODULE SPECIFICATION

Part 1: Information			
Module Title	Commercial Development		
Module Code	UBLMNL-30-3	Level	Level 6
For implementation from	2020-21		
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 2020-21		
Excluded Combinations	Commercial Development 2020-21		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description

Overview: 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

Co-requisites: Relevant Professional Experience

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.

Educational Aims: In addition to Learning Outcomes, the educational experience may explore, develop, and practise but not formally discretely assess the following:

Working as a team member

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 knowledge tutorials.

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, demonstrations and practical classes and workshops. The tutorials during the module will have a different emphasis to help the students with the assimilation of knowledge. Some of the tutorials will focus in developing the application-based skills and general technical knowledge in preparation for the assessments, and others will guide the students to develop a small portfolio of exercises and analysis tasks that explore different situations and scenarios related to building services and financial 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.

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 comprised of a written assignment and a series of small portfolio exercises relating to technical and economic aspects of commercial development.

Component B is a written assignment relating to technical principles and construction concepts of multi-storey commercial developments.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Portfolio - Component A	✓	50 %	Semester 2 submission totalling 2,000 words.
Written Assignment - Component B		50 %	Semester 1 written coursework. (3,150 words max)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Portfolio - Component A	✓	50 %	Semester 2 submission totalling 2,000 words.
Written Assignment - Component B		50 %	Semester 1 written coursework assignment (3,150 words max)

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Critically differentiate between a range of different construction technologies commonly used for commercial buildings.	MO1
Evaluate how sustainable development can enhance building design and support the business objective of an occupier.	MO2
Recommend appropriate strategies and technologies for the design of building elements, demonstrating the benefits of adopting an holistic approach to building design.	MO3
Critically analyse a development proposal in regards to efficiencies across a range of financial parameters and apply a range of modelling techniques in order to conduct a comprehensive appraisal of the options within that proposal	MO4
Evaluate the parameters of a client brief, and formulate appropriate commercial development solutions.	MO5
Critically differentiate between a range of building service installations commonly used for commercial buildings.	MO6

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	228
Total Independent Study Hours:	228
Scheduled Learning and Teaching Hours:	
Face-to-face learning	72
Total Scheduled Learning and Teaching Hours:	72
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/ublmnl-30-3.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Building Surveying [Sep][FT][Frenchay][1yr] MSc 2020-21

Building Surveying [Sep][PT][Frenchay][2yrs] MSc 2020-21

Building Surveying {With Preparatory Studies} [Sep][FT][Frenchay][2yrs] MSc 2020-21

Building Surveying [Sep][FT][Frenchay][2yrs] GradDip 2020-21

Building Surveying [Sep][PT][Frenchay][3yrs] GradDip 2019-20

Building Surveying {With Preparatory Studies} [Sep][PT][Frenchay][3yrs] MSc 2019-20