



Module Specification

Commercial Development

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Part 1: Information

Module title: Commercial Development

Module code: UBLMNL-30-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

College: Faculty of Environment & Technology

School: FET Dept of Architecture & Built Environ

Partner institutions: None

Field: CONSTRUCTION AND PROPERTY

Module type: Module

Pre-requisites: Construction Technology and Services 2023-24

Excluded combinations: Commercial Development 2023-24

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body 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.

Features: Not applicable

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

Part 3: Teaching and learning methods

Teaching and learning methods: This module will be delivered as follows:

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.

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

MO1 Critically differentiate between a range of different construction technologies commonly used for commercial buildings.

MO2 Evaluate how sustainable development can enhance building design and support the business objective of an occupier.

MO3 Recommend appropriate strategies and technologies for the design of building elements, demonstrating the benefits of adopting an holistic approach to building design.

MO4 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

MO5 Evaluate the parameters of a client brief, and formulate appropriate commercial development solutions.

MO6 Critically differentiate between a range of building service installations commonly used for commercial buildings.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ublmnl-30-3.html) via the following link <https://uwe.rl.talis.com/modules/ublmnl-30-3.html>

Part 4: Assessment

Assessment strategy: The Strategy:

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.

The Assessment:

Group Presentation (25 minutes) - The presentation is a summative assessment comprising a series of exercise tasks undertaken as a group and submitted as a group presentation. Groupwork has been chosen to enhance the student experience.

Written Assignment (1500 words) - The written report is a written assignment relating to technical principles and construction concepts of multi-storey commercial developments.

Online Examination (equivalent to 3 hours) - The examination is a series of online quizzes testing knowledge on mechanical and electrical building services installations.

Resit Presentation - as group work is not a learning outcome of the module, the resit shall be an individual presentation, with a brief that ensures it meets the assigned learning outcomes.

Resit Written Assignment - a similar brief to that described above, which may include some topic changes.

Resit Online Exam - a similar structure to that described above, which may include some question changes

Formative feedback - assessment will be supported by formative tutorial tasks to be set and discussed during the tutorial sessions.

Assessment tasks:

Written Assignment (First Sit)

Description: Coursework. (1,500 words indicative)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO5

Presentation (First Sit)

Description: Group Presentation (25 mins)

Weighting: 50 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO2, MO4, MO5

Examination (Online) (First Sit)

Description: Online Quizzes (3 hours)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO6

Written Assignment (Resit)

Description: Coursework (1,500 words indicative)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO5

Presentation (Resit)

Description: Presentation (10 mins per student)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO4, MO5

Examination (Online) (Resit)

Description: Online Quizzes (3 hours)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO6

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Building Surveying [Frenchay] MSc 2023-24

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