



Module Specification

Development and Design Economics

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Part 1: Information

Module title: Development and Design Economics

Module code: UBLMXS-15-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

College: Faculty of Environment & Technology

School: FET Dept of Architecture & Built Environ

Partner institutions: None

Field: Architecture and the Built Environment

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: This module aims to provide a framework of study that will extend and develop students' learning through the practical application of techniques to prepare students for future work experience in their placements and later as graduates.

Outline syllabus: The content will be structured around lectures and linked workshop exercises that simulate the tasks that developers, development surveyors and cost managers undertake from the inception up to commencement of the construction stages of a project on site.

The students' tasks will include the establishment of market need, project finance, investment appraisal and cashflow projection together with design option capital and whole life cost analysis around the following syllabus.

1. Identification and evaluation of markets; project finance, financial appraisal of projects, preparation and presentation of project budgets and cashflow forecasts.
2. Methods of development appraisal, including residual valuations, option appraisal, land valuation and sensitivity testing. Cash Flow appraisal.
3. Design economics including the establishment of value criteria, cost modelling, critical appraisal of cost data and application of whole life costing techniques.
4. Introduction to development and project risk management and the cost implications of sustainable development.

Part 3: Teaching and learning methods

Teaching and learning methods: Following the module briefing and alongside the supporting programme of lectures students will undertake workshop exercises designed promote “active learning” in groups and individually. These will be managed by tutors who will also organise regular tutorials to monitor and give students feedback on their progress and performance in carrying out the workshop tasks.

Materials will be available on Blackboard to support the module content with reference material, exercises and related commentaries and video clips.

Contact time: 36 hours

Assimilation and development of knowledge: 84 hours

Exam preparation: 30 hours

Coursework preparation: 0 hours

Total study time: 150 hours

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

MO1 Identify the contextual links between the subjects that form the core of their award

MO2 Demonstrate their ability to research, compile and analyse data, evaluate solutions and present conclusions to provide professional development appraisal and cost advice for a medium sized development project

MO3 Analyse and assess the commercial viability of a property development project using traditional and contemporary development appraisal and cost planning techniques

MO4 Explain and quantify the impact of building design decisions on the capital and whole life costs of buildings and their sustainability

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ublmxs-15-2.html) via the following link <https://uwe.rl.talis.com/modules/ublmxs-15-2.html>

Part 4: Assessment

Assessment strategy: Online Examination (24 hours) - The assessment is primarily by examination based on a bank of questions that students will have available to them before the assessment takes place.

Students will be assessed on their ability to analyse valuation and design economics issues in the context of specific business needs and produce realistic solutions that are specific to client development needs, specific building types and their site characteristics. The limitations of their decisions, identifying risks, and recognizing potential conflicts with other economic issues will also need to be appreciated.

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

Assessment tasks:

Examination (Online) (First Sit)

Description: Online exam (24 hours)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Online) (Resit)

Description: Online exam (24 hours)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Quantity Surveying and Commercial Management [BIET] BSc (Hons) 2023-24

Quantity Surveying and Commercial Management [Frenchay] BSc (Hons) 2022-23

Quantity Surveying and Commercial Management {Foundation}

[Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Quantity Surveying and Commercial Management

{Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Quantity Surveying and Commercial Management [Sep][PT][Frenchay][5yrs] BSc
(Hons) 2020-21

Quantity Surveying and Commercial Management {Apprenticeship-UWE}

[Sep][FT][Frenchay][5yrs] BSc (Hons) 2020-21