



Module Specification

Profession 3

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Part 1: Information

Module title: Profession 3

Module code: UBPMMSG-5-3

Level: Level 6

For implementation from: 2021-22

UWE credit rating: 5

ECTS credit rating: 2.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Architecture & Built Environ

Partner institutions: City School of Architecture Sri Lanka

Delivery locations: City School of Architecture Sri Lanka

Field: Planning and Architecture

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Transferable Skills:

Collect, analyse and manage data from a wide variety of sources.

Critical thinking, understanding of creative interpretation of taught subject in built projects

Work with limited or contradictory information

Communicate effectively in a variety of formats

Work independently and in groups.

Features: Not applicable

Educational aims: Office Practice: This Module will enable students to be introduced to the practice of architecture in Sri Lanka and the running of a small architectural practice.

Development Controls : This Module will enable students to be introduced to the planning process and development control, its implementing agencies and statutory authorities, their duties and responsibilities, the planning approval and the architect's role; development controls and the planning & building regulations, related terminology, their interpretations and how they inform the design process; health and safety regulations and environmental regulations, interpretations and how they inform the design process.

Quantity Surveying: This Module will enable students to be introduced to the practice of building economics and quantity surveying in the global and Sri Lankan contexts, elementary understanding of preparation of bills of quantities and estimation and their implications to the design and construction process and the understanding of related terminology.

Outline syllabus: The module will contribute to students' knowledge and understanding of:

PROFESSION - OFFICE PRACTIC

MAIN TOPIC 1

INTRODUCTION TO THE PRACTICE OF ARCHITECTURE (Term 1)

Introduction to the practice of architecture in Sri Lanka, the Architects Registration Board and registration formalities, SLIA membership and the ARB membership, registration number and the architect's seal

types of architectural practices – the individual practice, sole proprietorship, limited liability company

SLIA rules and conditions for the formation of the different types of practices

practice registration, introduction to registrar of companies and the companies act, registration with SLIA, practice registration certificate, tax registration (income and value added tax)

Introduction to intellectual property law

Professional ethics and the architect's oath

MAIN TOPIC 2

A SMALL ARCHITECTURAL PRACTICE (Term 1)

the architectural team, client – architect relationship

the office practice manual, RIBA - architects job book

Setting up office; office staff and hierarchy - the organisation chart/organogram of the practice; office equipment, office procedures and systems

the office resource centre and the continuous education of staff - correspondence, voice communications

filing – hard and soft copies, relevant software; samples and catalogues

ISO Standards and Certification, 5S system

accounting and tax procedures, advisory consultants

office stationary, waste and re-cycling

Staff welfare and training

PROFESSION – DEVELOPMENT CONTROL & BUILDING REGULATIONS

MAIN TOPIC 1

INTRODUCTION TO THE PLANNING PROCESS (Term 1)

Introduction to the planning process and development control in Sri Lanka

Implementation agencies: the national physical planning department, the urban development authority, municipal councils, pradeshya sabhas and local statutory authorities, their hierarchy, line of authority, duties and responsibilities, the condominium management authority

the statutory laws – UDA law (1978), national physical planning, building regulations (1985,1999,2008), objectives and strategies, criteria, their overall implementation mechanisms, issues and constraints

the development plan, the localised development guide plan and the preparation of building regulations

Planning approval – buildings and land subdivision, the procedures to be followed, the architects' role

MAIN TOPIC 2

PLANNING /DEVELOPMENT CONTROLS (Term 1)

the City of Colombo Development Plan – 1985, 1999 and 2008 in detail and other related development guide plans for special areas within the City of Colombo and other regional towns

Understanding of the overall concepts and development strategies, identifications of potentials for development, zoning and special zones, density, FAR and related regulations, infrastructure and environmental implications (transport, water supply, sewerage and storm water disposal, electricity, environment), issues and constraints in implementation, institutional frameworks and maximising the efficiency and productivity of the local authorities etc.

The architect's involvement and the process in which planning regulations and development controls influence the design process.

MAIN TOPIC 3

PLANNING & BUILDING, HEALTH & SAFETY AND ENVIRONMENTAL
REGULATIONS (Term 2)

the Planning & Building Regulations – 1985, 1999 and 2008 in detail

the City of Colombo and outside the City of Colombo

the disability access code

Fire regulations

Understanding of the overall concepts and strategies, issues and constraints in implementation, institutional frameworks etc.

Understanding planning regulations related to subdivision and amalgamation of land, access ways and turning circles, street lines and building lines, street corners, parking and traffic control and requirements, overhead or below ground service lines, obtaining main supplies (water, sewerage, storm water drainage, electricity)

Understanding the Building Regulations: plot usage – plot coverage, floor area ratio, open space, rear space, sites of irregular shapes, boundaries and overhangs, access from the street, foot ways, minimum width of building, building categories and interpreting the height of the building, minimum room sizes and areas, minimum heights for rooms, basements, toilet requirements and sizes

Natural light and ventilation, sources and location of sources (courtyards and air wells), and requirements for residential buildings, office & commercial buildings, schools, hospitals, stores and warehouses, car parks, stair ways, passages and lobbies, basements, toilets

Mechanical ventilation and air-conditioning

Sanitation: sanitary convenience, water supply, drainage and waste disposal

Electrical work: transformers, generators, switch rooms, main supply

Fire prevention, safety and evacuation and related regulations

Environmental regulations

Terminology and interpretations

Schedules and forms related to planning & building regulations

The architects' involvement and the process in which planning regulations and development controls influence the design process.

PROFESSION – QUANTITY SURVEYING

MAIN TOPIC 1

INTRODUCTION TO PRINCIPLES OF QUANTITY SURVEYING (Term 2)

Introduction to the practice of building economics and quantity surveyors globally and locally, the relevant institutions, advisory consultants and the relationship between architects and quantity surveyors/building economists.

the cost implications of a design project, necessity to adhere to a project cost, implications of cost over-runs, awareness of the importance of cost planning and cost management in the design and construction process, the applicable tools

Quantity Surveying and Estimation and related terminology and their interpretations

MAIN TOPIC 2

PRELIMINARY COST ESTIMATES & BILLS OF QUANTITIES (Term 2)

the importance of the preliminary cost estimate and bills of quantities, and the understanding of the stages of its preparation and evolution during the process of design and construction.

components of the preliminary cost estimate and the bills of quantities – general and specialised

methodologies used to prepare a preliminary cost estimate and a bills of quantities

preparation of a preliminary cost estimate using the square foot area method

preparation of bills of quantities using the standard method of measurement, taking off quantities and writing specifications, itemizing based on trades.

Part 3: Teaching and learning methods

Teaching and learning methods: The delivery of this Module will be through: Lectures, Discussions, Reviews, Projects.

Contact hours:

PROFESSION - OFFICE PRACTICE

Lectures: 12

Practicals(Field Visits): none

Seminars: none

Tutorials: 4

Independent Learning: none

Assessment: 4

Directed Learning: none

Notional Student Effort: 20 contact hours

PROFESSION – DEVELOPMENT CONTROL & BUILDING REGULATIONS

Lectures: 12

Practicals(Field Visits): 2

Seminars: none

Tutorials: none

Independent Learning: 4

Assessment: 2

Directed Learning: none

Notional Student Effort: 16 contact hours

PROFESSION – QUANTITIY SURVEYING

Lectures: 12

Practicals(Field Visits): 2

Seminars: none

Tutorials: none

Independent Learning: 4

Assessment: 2

Directed Learning: none

Notional Student Effort: 16 contact hours

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

MO1 PROFESSION – OFFICE PRACTICE

On successful completion of this module students would have developed:

Knowledge:

of the practice of architecture in Sri Lanka.

of the types of architectural practices and relevant regulations for their formation.

of the registration of architectural practices.

professional ethics and codes of conduct.

Understanding:

of running a small architectural practice.

Ability:

to understand the context of design and construction.

MO2 PROFESSION –DEVELOPMENT CONTROL & BUILDING REGULATIONS

Knowledge :

of the planning process and development control in Sri Lanka.

of the implementation agencies and statutory authorities, relevant laws and

regulations, duties and responsibilities.

of the planning approval process and the architect's role.

Understanding:

of planning/ development control and their interpretations.

of planning & building regulations and their interpretations.

of health & safety regulations and their interpretations.

of environmental regulations and their interpretations.

Ability:

to understand how planning, building, health & safety and environmental regulations inform the design process.

MO3 PROFESSION – QUANTITY SURVEYING

Awareness:

of the practice of building economics and quantity surveying globally and in Sri Lanka.

of the standards and codes in quantity surveying and estimation.

Knowledge :

of the role of the Quantity Surveyor as a member of the project team and his responsibilities.

of the different methodologies that are applicable to the preparation of preliminary estimates and bills of quantities.

of the terminology related to quantity surveying and estimation.

Understanding:

of the preparation of preliminary estimates and bills of quantities.

Ability :

to understand cost information and its implications to design and make suitable design decisions based on preliminary cost estimates.

Hours to be allocated: 50

Contact hours:

Independent study/self-guided study = 8 hours

Face-to-face learning = 62 hours

Total = 70

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubpmsg-5-3.html) via the following link <https://uwe.rl.talis.com/modules/ubpmsg-5-3.html>

Part 4: Assessment

Assessment strategy: Portfolio of work. The assessment on this module is an iterative process that students undertake as a series of tasks that allow them to focus on different aspects of the teaching and learning building on gradual feedback to create a portfolio of work as the module progresses.

Assessment components:

Portfolio - Component A (First Sit)

Description: The assessment on this module is an iterative process that students undertake as a series of tasks that allow them to focus on different aspects of the teaching and learning building on gradual feedback to create a portfolio of work as the module progresses.

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Portfolio - Component A (Resit)

Description: The assessment on this module is an iterative process that students undertake as a series of tasks that allow them to focus on different aspects of the teaching and learning building on gradual feedback to create a portfolio of work as the module progresses.

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Architecture [Oct][FT][SriLanka][3yr] BArch 2019-20