



## **Module Specification**

### **Architectural Studies 3**

Version: 2023-24, v2.0, 31 Jul 2023

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## Part 1: Information

**Module title:** Architectural Studies 3

**Module code:** UBPMJF-16-3

**Level:** Level 6

**For implementation from:** 2023-24

**UWE credit rating:** 16

**ECTS credit rating:** 8

**College:** Faculty of Environment & Technology

**School:** FET Dept of Architecture & Built Environ

**Partner institutions:** City School of Architecture Sri Lanka

**Field:** Planning and Architecture

**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:** Transferable Skills:

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

Critical thinking, creative and innovative problem solving and logical reasoning

Competency in common architectural drawing software packages, hand drawing and technical drafting

Work with limited or contradictory information

Communicate effectively in a variety of formats

Work independently and in groups.

**Features:** Not applicable

**Educational aims:** To engage students to self discover and understand their architectural philosophies, strengths and weaknesses in order to focus on the generation of a coherent and comprehensive architectural design, commensurate to a design brief; integrating the contextual forces of the project area and site, exploiting its relationship to the city, taking into account its physical and visual characteristics, environment and climate, accessibility, development potential and visions; users, the wider public, their behavioural and activity patterns and spatial needs, quality of space, and details of structure, use of materials, process of assembly and servicing in the design of a medium sized public building complex of ground + 3 /4 floors and approx. 15,000 sq.ft in total area, using sustainable technology as the Pre CDP Project and a medium scale multi-level public mixed-use building complex of ground + 3-4 floors and approx. 20,000 sq.ft in total area, as the CDP Project, understanding the creation of space.

**Outline syllabus:** ARCHITECTURAL STUDIES

Main Topic 1:

ARCHITECTURAL DRAWING : WORKING DRAWING (Terms 1 & 2)

To observe and review, design, detail and draw, a complete set of production drawings of a design for construction implementation.

Exercises:

Working Drawing of a second year project (generally the 2nd year house project or similar - approved by the Year Person)

Site layout plan, plan at all levels, roof plan, sections, elevations, door and window details, staircase details, roof and ceiling details, structural details, services details.

Main Topic 2:

ARCHITECTURAL WRITING (Terms 1,2,3)

Assimilation of information, comprehending and analysing the information, structuring the information, drawing inferences/conclusions, presentation of information.

Improving verbal and written communication.

Appreciation of architecture - through discussions, book reviews on subjects related to design projects.

Main Topic 3:

EXPERIENCING ARCHITECTURE (Terms 1,2,3)

Experiencing Architecture through organized visits to note worthy buildings and places – past and present, discussions and visuals/written reviews.

Visits to built examples of use of sustainable technologies in architecture.

Visits to built examples of public buildings of mixed use.

Main Topic 4:

COMPUTER STUDIES (Terms 1 & 2)

Autodesk Architecture – advanced 2D and 3D applications in the communication of architectural design and design thoughts.

Autodesk Architecture – Advanced 2D Applications:

Advanced design commands

Editing design elements

Profiles and text

Building information extraction

Rendering, lights and camera angles

Printing

Autocad ACIS SOLIDS – 3D Applications:

Introduction to wire frames, 3D surface, 3D solids

Revolved surface solids

Boolean Algebra – union, subtract, intersect

3D editing – align, mirror 3D, rotate 3D, 3D array, slice, region, extrude

Viewing – 3D view point, 3D orbit, 3D corbit, solview, soldraw, solprof, measure, divide

Solid edit – taper, colour, trim, shell, fillet

Render – lights, scene, raytrace

Materials – attaching materials, background

Main Topic 5:

### COMPREHENSIVE DESIGN PROJECT

#### DETAIL DRAWINGS (Terms 2 & 3)

To design, detail and draw detail drawings of the comprehensive design project in order to express in full its design implications.

Basic Detail Drawing Set to include:

(in addition to the drawing list specified for the comprehensive design project under the Design stream)

#### DETAILS

Atleast Three (3)- Four (4) details of special design features of the building explicitly showing the concept of the detail, construction process, materials used and specifications.

Services Layouts (service and zoning concepts, layouts for water supply, drainage and rain water disposal, electrical supply, air-conditioning, fire safety) in A3 size booklet

Special details showing climate responsiveness in design

Special details showing sustainability of the design

Details of Landscape, Interior and Lighting concepts.

(2-3 A1 sheets)

#### SAMPLE BOARD

Sample board indicating finishes and materials.

Main Topic 6:

#### ESSAY (Terms 1,2 & 3)

The Aim of the Essay: The aim of this Examination Component is to give the student an opportunity to present an original work in written form to contain not less than 3,000 - 4,000 words on any approved national or international subject relevant to Architecture/Built Environment.

Essays could vary in scope and could be descriptive, analytical or a comparative study on a subject.

The essay allows the student to act on his/her own initiative in investigating a subject he/she has chosen. In addition he/she must read widely and understand material relevant to the topic.

This exercise is primarily intended to test the student's ability to understand the background of a subject and to logically present facts and opinions in a sequential order.

Procedures for selecting and approving the Essay Topic: The student must discuss the topic with the year staff and tutor before submitting a topic proposal and synopsis for approval. The Essay topic will be approved by a Committee appointed by the Head of School for such purpose. A list of approved topics is forwarded to the Board of Architectural Education, SLIA for approval and records.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** The delivery of this Module will be through: Studio Workshops, Organized visits, discussions & reviews, set exercises, Lectures and Seminars.

Contact Hours:

Lectures - 20

Practicals (Studio and field visits) - 180

Seminars - 20

Tutorials - none

Independent Learning - 120

Assessment - 20

Directed Learning - none

Total Notional Student Effort - 140 contact hours

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

**MO1** Knowledge of the different drawing and writing methods used to communicate design ideas and design thoughts.

**MO2** Knowledge of the different methodologies used for sourcing and referencing of information, to communicate a researched topic through the written medium.

**MO3** Knowledge of autodesk architecture – 2 D and 3D software and its applications in the communication of architectural design and design thoughts.

**MO4** Understanding of the communication of a design through drawings, models and details.

**MO5** Understanding of the report formats necessary to explicitly communicate design ideas and thoughts, through the written medium in the form of a design report.

**MO6** Understanding of essay formats necessary to explicitly communicate researched information on a subject of one's interest.

**MO7** Understanding of autodesk architecture – 2 D and 3D software and its applications in the communication of architectural design and design thoughts.

**MO8** Ability to understand and communicate architectural design and construction in plan, section, elevation and details through 2D and 3D – architectural & technical drawings and free hand sketching.

**MO9** Ability to appreciate architecture and draw inferences through observations on the field.

**MO10** Ability to use the English language to appreciate, review and discuss architectural ideas and views of others.

**MO11** Ability to comprehensively discuss and communicate design thoughts and ideas to others, through the oral, graphical and written mediums.

**MO12** Ability to communicate researched information and findings as an essay.

**Hours to be allocated:** 160

**Contact hours:**

Independent study/self-guided study = 120 hours

Face-to-face learning = 240 hours

Total = 360

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubpmjf-16-3.html) via the following link <https://uwe.rl.talis.com/modules/ubpmjf-16-3.html>

## **Part 4: Assessment**

**Assessment strategy:** Week 1Week 20

Type: Working Drawings

Instructions / Descriptions: Interim Reviews

Final Crit – Drawing Submissions

Hours: 60 Contact Hours

Weighting: 75 %

Week 1Week 10

Type: Architectural Writing

Instructions / Descriptions: 1 Book review in relation to Design Project Interim Reviews & Written Submissions

Hours: 04 Contact Hours

Weighting: 25 %

Week 1Week 30

Type: Experiencing Architecture Visits

Instructions / Descriptions: Photographic Records

Hours: 50 Contact Hours

Week 1Week 20

Type: Computer Studies Autocad – 3D Exercises

Instructions / Descriptions: Competence in Computer skills assessed through design portfolio

Hours: 36 Contact Hours



Week 21Week 30

Type: Part I Examination Submission

Design Report

Instructions / Descriptions: Interim Reviews

Final Submission - Design Report

Hours: 10 Contact Hours

Weighting: Marked under CDP

Week 21Week 30

Type: Part I Examination Submission

Essay

Instructions / Descriptions: Interim Reviews & Seminars

Final Written Submission - Essay

Hours: 40 Contact Hours

Weighting:100%

**Assessment tasks:**

**Practical Skills Assessment (First Sit)**

Description: 1. Working Drawings

Weighting: 37 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO10, MO11, MO12, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

**Written Assignment (First Sit)**

Description: 2. Architectural Writing - 1 Book review

Weighting: 13 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO10, MO11, MO12, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

**Written Assignment (First Sit)**

Description: Essay

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO10, MO11, MO12, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

**Practical Skills Assessment (Resit)**

Description: 1. Resubmission of Working Drawings for failed element or previous years mark for passed element

Weighting: 37 %

Final assessment: No

Group work: No

Learning outcomes tested:

**Written Assignment (Resit)**

Description: 2. Architectural Writing - 1 Book review for failed element or previous years mark for passed element

Weighting: 13 %

Final assessment: No

Group work: No

Learning outcomes tested:

**Written Assignment (Resit)**

Description: Resubmission of Essay for failed element or previous years mark for passed element

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

## **Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Architecture [Oct][FT][SriLanka][3yrs] BArch (Hons) 2021-22