Module Specification

Design 5

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Contents

Part 1: Information

Module title: Design 5

Module code: UBPMVF-12-3

Level: Level 6

For implementation from: 2022-23

UWE credit rating: 12

ECTS credit rating: 6

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: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: Architectural Studies 3 2022-23

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Pre-requisites: Passed the Part I CSA Examination / Exempted from SLIA Part I Professional Practice Examination

Features: 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 graphic and drawing (2D and 3D) 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.

Educational aims: To engage students to cultivate a personal philosophy to architecture and design; and direct their focus to understand the complex issues related to architectural design in the regions of Sri Lanka with special emphasis on conservation and heritage management;
The module will also enable students to work on a live housing and community project addressing the spatial needs of the economically weaker section of society.

On completion of this Module students would have developed:
Awareness:
•of the regional cities of Sri Lanka and their related architectural characteristics.
•of the different forces – (social, cultural, climate, resources, economy, local crafts and technology etc.) that create the architecture of the regions of Sri Lanka.
•of the necessity to conserve and preserve the architectural heritage of the country and the principles and systems adopted.
•of the architect's role in the conservation and restoration of buildings for the revival of historically rich cities.
•of the numerous agencies, authorities, stakeholders, professionals, and specialists who engage in the conservation and heritage management of historic cities.

Understanding:
•of the sociocultural aspects of specific subcultures and their spatial needs
•of how one's personal philosophy of architecture and design, orchestrates one's architecture.
•of how architects contribute to the conservation and restoration of heritage buildings in a city and the influence of architecture in the revival of these cities.
•of the architect as a participatory member in the collaborative design and management of cities.
•of the spatial needs of the economically weaker sections of society in a city, and the necessity for their integration and design for their future needs and aspirations.

Ability :

•to create a non-complex design for a specific subculture and engage in spatial expression through models; responding to the specific context, integrated with climate, materials, process of assembly, and servicing.
•Ability to critically analyze precedent and apply knowledge.
•to create a comprehensive well-planned design, understanding the numerous forces that drive the architecture of a selected regional city rich in history and intrinsic value; addressing the principles of conservation and heritage management to conserve, restore and re-vitalize a historic area by the design of a public, institutional facility comprising of a complex of buildings of approximately 30,000 sq ft. in total area, that meets the specific spatial needs of the wider society of the regional city, through context generated architectural design integrated with well thought out use of materials, structure, process of assembly and servicing systems commensurate to the development and conservation guidelines of that city.
•to work together with an economically weak section of a society in a chosen city, understanding their place in the city, their livelihoods, social networks, values and aspirations, behavioral patterns, and the context; addressing their specific spatial needs as derived from the live community study undertaken, generating an economically feasible architectural design, integrated with well thought out use of locally available materials and technology - structure, process of assembly and servicing system, advocating community-based low maintenance and management.

Outline syllabus: MINI PROJECT [2 WEEKS]
Design Project 1 :
SPACE FOR A SPECIFIC SUBCULTURE
Understanding of the sociocultural aspects and spatial needs of a specific subculture through model making, drawings, reports, and other multimedia presentation techniques. (audio/video).
Projects: Kiosks for a place of religious, cultural, or historic significance; sales kiosks, food service kiosks
Studies: Individual studies based on specific subculture group, their socio-cultural aspects, and spatial needs. Contextual analysis, precedent study analysis, user group analysis; activity & behavioural patterns.

Submission Requirements: 1:50 model of the kiosk made in class. 3-page report

including; introduction, contextual analysis, precedent study analysis, user group analysis, design challenge/s & approach, design merits, and conclusions. 3-minute video presentation explaining the design process and outcome.
The project will be introduced 2 weeks prior to the in-class activity. Discussion on selected subculture, contextual analysis, user studies.
Assessment: Crit of model and video. Written Report.

MAJOR PROJECTS
Design Project 2 :
HERITAGE & CONSERVATION IN THE REGIONS
Understanding the architectural characteristics of the selected regional city, its society, culture, climate, resources, economy and local crafts and technology; integrating principles and systems of conservation and heritage management; meet the specific spatial needs of its wider society, commensurate to the development and conservation guidelines of that city, the brief, the activities of users, and the activity patterns and their inter relationships. materials and details showing an understanding of the structure, process of assembly and the servicing of the building complex.
Projects :Museum, art galleries, civic centers, cultural centers, convention centers in an identified historically rich regional city such as Matara, Galle, Cultural Triangle,
The creative, well planned design of a public, institutional facility comprising a complex of buildings, of approximately 30,000 sq ft. in total area, in a selected regional city of the country rich in heritage value.
Studies: Individual studies based of participatory group studies of the macro context.
Site Study: study of the site (sketches and photographic visuals of the physical, context, visual characteristics of the site; architectural characteristics; data collection – geographical location, climate, macro context and immediate neighbourhood, conserved buildings, accessibility; development potential and related development and conservation guide lines and visions; building regulations; resources, economy, local crafts and technology; interest for research and study of the historic area).
Study of Conservation Principles: principles and theories of conservation as relevant to the identified regional city
User Study: client’s vision and objectives, users, socio–cultural context, behavioral patterns of users, their spatial needs, research and study needs
Study of Activity Patterns: user activities, activity inter relationships, bubble diagrams

of activity patterns, zoning diagrams, requirements of public mixed-use built complexes and related anthropometrics
Review of Works of Others: case studies, field visits and reviews, precedent studies
Formulation of Design Brief: interpretation of macro context and development, conservation guidelines to a project based design brief and architectural programme according to student bias
Submission Requirements: sketches and visuals of studies and information assimilation sketches of exploration and analysis conceptual sketches and models, massing within the context, building imagery, response to macro context, heritage values and conservation guidelines design: site plan, plan–all levels, roof plan, sections, elevations, scaled model, images of model perspectives and sketches of interior ambiance special details, details for climate responsiveness, use of materials, construction details, service integration, maintenance and management reviews and design report
Assessment: Presentation of studies, Concept Crit, 3-4 Interim Design Development Crits, Final Crit
Design Project 3 :
HOUSING & COMMUNITY
The design of a well-planned context-generated community housing facility of approximately 60,000sq ft. in total area
Learning outcomes: Addressing the spatial, social, environmental and economical issues of a community; evolving concepts and designs for their sustainable living. Entail field visits, guest lectures and presentations, participatory design workshops and integration with a community, to address their spatial needs.

Studies: group-based studies of the selected community
Site Study:in relation to the community under study
development and building regulations

User Study:users, behavioral patterns of users, their spatial needs

Study of Activity Patterns: user activities, activity interrelationships, bubble diagrams
of activity patterns, zoning diagrams, requirements, and related anthropometrics

Review of Works of Others: case studies, field visits and reviews, precedent studies

Formulation of Design Brief: interpretation of spatial needs of the community into a design brief and architectural programme according to group bias

Submission Requirements: sketches and visuals of studies and information assimilation
sketches of exploration and analysis
conceptual sketches and models, massing within the context and
existing community, building imagery, response to streetscape
design: site plan, plan–all levels, roof plan, sections, elevations, scaled model,
images of model
perspectives and sketches of exterior and interior ambiance
special details, details for climate responsiveness, use of materials,
construction details, service integration,
maintenance and management
reviews and design report

Assessment:Concept Crit, 2 Interim Design Development Crits, Final Crit

Part 3: Teaching and learning methods

Teaching and learning methods: The delivery of this module will be through Set Design Projects Exercises in relation to Design Projects,, Design Workshops, guest Lectures, organized Filed Visits in relation Design Projects, Discussion & Reviews of other works, Seminars.

Contact Hours:
Lectures - 12 contact hours
Practicals (Studio) - 288 contact hours
Seminars - 12 contact hours

Tutorials - none

Independent Learning - 180 contact hours

Assessment - 48 contact hours

Directed Learning - none

Total Notional Student Effort - 360 contact hours

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

MO1 Awareness: of the regional cities of Sri Lanka and their related architectural characteristics.

MO2 Awareness: of the different forces – (social, cultural, climate, resources, economy, local crafts and technology etc.) that create the architecture of the regions of Sri Lanka.

MO3 Awareness: of the necessity to conserve and preserve the architectural heritage of the country and the principles and systems adopted.

MO4 Awareness: of the architect's role in the conservation and restoration of buildings for the revival of historically rich cities.

MO5 Awareness: of the numerous agencies, authorities, stakeholders, professionals, and specialists who engage in the conservation and heritage management of historic cities.

MO6 Understanding: of the sociocultural aspects of specific subcultures and their spatial needs.

MO7 Understanding: of how one's personal philosophy of architecture and design, orchestrates one's architecture.

MO8 Understanding: of how architects contribute to the conservation and restoration of heritage buildings in a city and the influence of architecture in the revival of these cities.

MO9 Understanding: of the architect as a participatory member in the collaborative design and management of cities.

MO10 Understanding: of the spatial needs of the economically weaker sections of society in a city, and the necessity for their integration and design for their future needs and aspirations.

MO11 Ability: to create a non-complex design for a specific subculture and engage in spatial expression through models; responding to the specific context, integrated with climate, materials, process of assembly, and servicing.

MO12 Ability : Ability to critically analyze precedent and apply knowledge.

MO13 Ability : to create a comprehensive well-planned design, understanding the numerous forces that drive the architecture of a selected regional city rich in history and intrinsic value; addressing the principles of conservation and heritage management to conserve, restore and re-vitalize a historic area by the design of a public, institutional facility comprising of a complex of buildings of approximately 30,000 sq ft. in total area, that meets the specific spatial needs of the wider society of the regional city, through context generated architectural design integrated with well thought out use of materials, structure, process of assembly and servicing systems commensurate to the development and conservation guidelines of that city.

MO14 Ability : to work together with an economically weak section of a society in a chosen city, understanding their place in the city, their livelihoods, social networks, values and aspirations, behavioral patterns, and the context; addressing their specific spatial needs as derived from the live community study undertaken, generating an economically feasible architectural design, integrated with well thought out use of locally available materials and technology - structure, process of assembly and servicing system, advocating community-based low maintenance and management.

Hours to be allocated: 120

Contact hours:

Independent study/self-guided study = 180 hours

Face-to-face learning = 360 hours

Total = 540

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/ubpmvf-12-3.html

Part 4: Assessment

Assessment strategy: Portfolio 100% weighting.

Design Project 1 (MINI PROJECT) SPACE FOR A SPECIFIC SUBCULTURE
Start week 1; End week 3
Instructions/Descriptions: Group Presentations, Concept Crit, Interim Design Development Crits, Final Crit
Hours: 4848 Contact Hours
Weighting: 10% 100% Final Review

Design Project 2 – REGIONAL ARCHITECTURE, HERITAGE & CONSERVATION DESIGN
Start week 15; End week 30
Instructions/Descriptions: Comprehensive Site/social studies-, Concept Crit, Interim Design Development Crits, Final Crit
Hours:156 Contact Hours
Weighting: 45% Cont.Asst 50% Final Review

Design Project 3
- HOUSING & COMMUNITY Design
Instructions/Descriptions: Comprehensive Site/social studies-, Concept Crit, Interim Design Development Crits, Final Crit , Presentation to the public
Hours: 156 Contact Hours
Weighting: 45% Cont.Asst 50% Final Review

Assessment tasks:

Portfolio - Component A (First Sit)

Description: Design element of portfolio.
Architectural Drawing.
Architectural Writing.
Experiencing Architecture.
Computing.
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Portfolio - Component A (Resit)
Description: Design element of portfolio.
Architectural Drawing.
Architectural Writing.
Experiencing Architecture.
Computing.
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Architecture and Environmental Design [SriLanka] MArch 2022-23