Thesis Project

Module Information

2022.01, Approved

Summary Information

Module Code	7222AR
Formal Module Title	Thesis Project
Owning School	Liverpool School of Art & Design
Career	Postgraduate Taught
Credits	60
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Liverpool School of Art & Design

Learning Methods

Learning Method Type	Hours
Lecture	14
Seminar	60
Tutorial	6

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-MTP	MTP	January	12 Weeks

Aims and Outcomes

Aims	Thesis Design Studies ComponentTo commence and complete work on an individual Thesis Project, being a 'Comprehensive Design Project' (CDP). Students will generate a complex architectural design project drawing upon research methodologies, and with regard to their earlier urban design project work completed in Module 7221AR and theory & research undertaken in Module 7211AR.The Thesis Project requires the design of a complex piece of ambitious architecture equivalent to a building of at least 3,000m2 in size. The work must demonstrate knowledge, understanding and ability to design at all relevant scales from site context to constructional details and must demonstrate the integration of key technical and environmental decisions and key management, practice and legal matters into the explanation of the building.Environmental, Structural & Construction Strategy & Detail To demonstrate understanding of these key technological principles in the design of buildings, and the skill to develop specific technical design solutions in relation to the Thesis Project. Students will describe the integrated application of sophisticated environmental engineering thinking, structural engineering and constructional detailing in three dimensions. This will be communicated through drawings and with annotation of the drawings as integrated texts.Practice Task ReportTo demonstrate sound understanding of relevant legislation, policy and management techniques relating to the practice of architecture.Thesis Design Task ReportTo cogently present the complete Thesis Project in a concise written and illustrated report.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Research and develop a conceptual and critical approach to a complex building design proposal and its context.
MLO2	2	Appraise potential environmental impacts created by proposed technical strategies for a complex building, and evaluate those decisions.
MLO3	3	Cogently integrate strategies for constructional, structural, material, environmental and building services into a complex building.
MLO4	4	Appraise and demonstrate an understanding of current UK policy, regulation and legislation.
MLO5	5	Differentiate between how the various disciplines (clients, users, constructors, co-professionals and wider society) integrate in procuring and progressing a building project.
MLO6	6	Communicate through the production of a comprehensive, illustrated, referenced report the evolution of their thesis project, from design precedents through brief development to spatial and technological resolution.
MLO7	7	Demonstrate, through application in design, an ability to synthesise issues of context and site analysis techniques, processes and communication.
MLO8	8	Demonstrate a conceptual and critical approach to architectural design which integrates understanding of the needs and aspirations of building users.
MLO9	9	Prepare a scheme design for a complex building using a range of media, and in response to a brief.
MLO10	10	Demonstrate an appropriate level of skill in presentation techniques and the use of designated systems and equipment.
MLO11	11	Articulate, through the building design, an understanding and response to the social and economic context.
MLO12	12	Demonstrate a thorough understanding of the impact of buildings on the environment.
MLO13	13	Demonstrate a clear understanding of the parameters affecting optimum internal environments in relation to a complex design project.

MLO14	14	Investigate, critically evaluate and reason between alternative technological strategies in the context of innovative sustainable design.

Module Content

Outline Syllabus	Thesis Design ProjectThis module is taught primarily through tutorials which occur once a week and design reviews, typically, every third week. There are also lectures which will introduce the various components of the module. Additional seminars provide formative feedback and guidance following-up and reinforcing the design reviews. These will draw upon historical and contemporary information regarding the physical, spatial, functional, economic and political context of the projects as the basis for discussion around the themes of the moduleThis module will integrate design activity with activity in the subjects of History and Theory (as design research) and Technology and Practice (as written and drawn evidence). The range of project topics to be undertaken by students will, in the main, have been drawn from urban design project work undertaken in the main part of the first Semester and each student will agree a programme of work with the Module Leader which best suits their specialist leanings. The building types and architectural circumstances offered to the students will have sufficient inherent complexity compared to the CDP (BA Year Three) to warrant MArch (ARB / RIBA Part 2) status.The CDP will engage detailed design and buildability studies, showing an appreciation of sustainability matters. The CDP will be developed at 1:500, 1:200, 1:100, 1:50 and more detailed scales as appropriate.Each individual student will prepare a high quality design for a complex project, where evidence will be shown of drawing (hand drawn and computer generated) and physical / computer model building skills, which deal with concept, site strategy and landscape, with the spaces of the building in two and three dimensions.Environmental, Structural & Construction Strategy & DetailThis component of the module will be facilitated via a series of six workshop / technical reviews, following an introductory lecture. Guests and specialist design tutors will advise each individual student on the technical ways in which each project should develop and how to integrate the information and advice given. A record of each tutorial session should be kept by each student for their design diary & academic portfolio. This module will fully utilise the model making and CAD/CAM workshops.Practice TasksA lecture series will provide a concise overview of the RIBA Professional Practice syllabus, as an introduction to architectural practiceThesis Design ReportA lecture and subsequent seminar will describe the expectations, methodology and creative potential of illustrated documentation.
Module Overview	The Thesis Project requires the design of a complex piece of ambitious architecture equivalent to a building of at least 3000m2 in size. The work must demonstrate knowledge, understanding and the ability to design at all relevant scales from site context to constructional details. It must demonstrate the integration of key technical and environmental decisions and key management, practice and legal matters in the explanation of the building.
Additional Information	Welcome to the Thesis Project module. Here you will propose and develop a thesis defining your own agendas and exploring ideas through the medium of buildings.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Artefacts	Artefacts 1	60	0	MLO1, MLO2, MLO3, MLO4, MLO5, MLO6
Report	Report 2	5	0	MLO14
Presentation	Report 1	5	0	MLO12, MLO13
Presentation	Artefacts 3	15	0	MLO11
Artefacts	Artefacts 2	15	0	MLO7, MLO8, MLO9, MLO10

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ian Wroot	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings