



Module Definition Form (MDF)

Module code: MOD008412	Version: 1 Date Amended: 06/May/2021
1. Module Title	
Design Studio B2 (Architecture)	
2a. Module Leader	
Marcel Cadaval Pereira	
2b. School	
School of Engineering and the Built Environment at Anglia Ruskin University	
2c. Faculty	
Faculty of Science and Engineering	
3a. Level	
5	
3b. Module Type	
Standard (fine graded)	
4a. Credits	
30	
4b. Study Hours	
300	

5. Restrictions			
Type	Module Code	Module Name	Condition
Pre-requisite:	MOD007741	Design Studio A1 (Architecture)	Compulsory
Pre-requisite:	MOD007743	Design Studio A2 (Architecture)	Compulsory
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:	BA (Hons) Architecture		

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description
<p>This module, together with the module entitled Design Studio B1, has been designed to give you an opportunity to confront the complexity of an architectural project. We'll explore the wider social, political and cultural context shaping the project's agenda, with reference to how architects should strive to minimise the negative impact of their practice on the environment; the technical and technological aspects of construction and their influence on the formal conception of the project. We'll also cover an architect's obligation towards environmental awareness and zero carbon culture (Retrofit First, Passive Design), understanding the principles of climate science, health and safety in buildings including consideration of fire safety, and the sustainable technical underpinnings of a design proposal.</p> <p>The module builds on the knowledge and skills gained in the module Design Studio B1 by confronting you with a higher level of complexity in terms of design scale and brief. It integrates knowledge gained in the history and theory and technology modules and allows you to understand the influence of contextual and technological aspects and requirements on architectural design.</p> <p>You will be given a design brief for a medium-scale architectural project that mixes aspects of residentiality with civic and public purposes. You will tackle issues of utmost socio-political relevance through the engagement with external bodies (such as local authorities and community groups) that contributes to the definition of live briefs and confronts you with a real site. The module allows you to further develop skills of site analysis and understanding of the mutual influences between buildings and their surroundings.</p> <p>Learning in the module happens through a combination of: lectures by the module tutors and/or invited guests; precedent case studies analysis; site studies, mapping and analysis; formal explorations of design solutions 2D and 3D drawings and physical models; and various opportunities for feedback from presentations, interim reviews and group and individual tutorials. You will work both in groups and individually, developing fundamental skills of workload balancing and teamwork. As with other studio-centred modules, this module is based on studio engagement, site visits (as appropriate), tutorials, and joint staff/student reviews. This module encourages the development of core employability skills especially those related to design development and presentation in the field of architecture practice.</p>

6b. Outline Content

- Brief analysis and contextual studies including appreciation of planning policies, historical data, socio-economic factors and statistics
- Design issues, concepts and generators
- Case studies of architectural precedents
- Study visit(s) to architectural sites of interest in the UK and case study of precedents
- Investigation of social, cultural and physical contexts of the built environment
- Contrasting and complementing projects in their surroundings
- Manipulation of design solutions and efficient economy and environmental performance
- Details, joints, assembly, modular co-ordination and specification
- Sketch design and 2D drafting techniques
- Physical and digital model-making techniques
- Learning and managing work in groups
- Developing professional technical and presentation skills

6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

6d. Specialist Learning Resources

Design Studio

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Create and prepare architectural designs, working with the existing site and taking into account the wider context of the proposal.
2	Knowledge and Understanding	Demonstrate knowledge of the cultural, social and intellectual histories, theories and technologies that influence the design of buildings by developing design projects which reflect the influence of history and theory on the spatial, social, and technological aspects of architecture. This knowledge will be evidenced through the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach.
3	Knowledge and Understanding	Integrate knowledge of structural theories and construction techniques and the physical properties and characteristics of building materials, components and systems, including the environmental impact of specification choices and issues of building safety.
4	Intellectual, practical, affective and transferrable skills	Create and evaluate a design brief, taking into account the understanding of the place, and providing examples of relative precedents to the function, organisation and technological strategy.
5	Intellectual, practical, affective and transferrable skills	Demonstrate visual communication skills using a variety of media and techniques, and develop a conceptual design approach which reflects a critical understanding of architectural precedents and artistic influences.
6	Intellectual, practical, affective and transferrable skills	Review precedents relevant to the function, organisation, and technological strategy of design projects

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	12	1-6	1 hour per week of lecture and/or guest presentation
Other teacher managed learning	84	1-6	7 hours per week of studio-based activities including tutorials and reviews
Student managed learning	204	1-6	17 hours per week
TOTAL:	300		

9. Assessment for the above Module Occurrence

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1-6	30 (%)	Fine Grade	40 (%)

Portfolio of initial design research (2400 words equivalent) including: - Programmatic diagram - Conceptual physical model(s) 1:50 - Sketchbook including development sketches, photos of study models, massing studies, precedent case studies, structural and material studies - Site research, analysis and mapping

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	1-6	70 (%)	Fine Grade	40 (%)

Portfolio of developed design proposal (3600 words equivalent) including: - Illustrative text of proposal (1,000 words) - Site plan 1:200 - Floorplans 1:50 - Sections 1:50 - Perspectival section with materials and textures - Detail sections 1:20 including indication of technologies - Axonometric or cut-away or exploded axonometric representation - Elevations 1:50 - Exterior and interior renderings/collages - Final physical model 1:50

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above**
- (b) pass any pass/fail elements**

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]