



## Module Definition Form (MDF)

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| <b>Module code: MOD008415</b>   | <b>Version: 1</b> <b>Date Amended: 06/May/2021</b> |
| <b>1. Module Title</b>  |  |
| Major Integrated Design Project Phase 1 (Architecture)                      |  |
| <b>2a. Module Leader</b>  |  |
| Tom Routh   |  |
| <b>2b. School</b>   |  |
| School of Engineering and the Built Environment at Anglia Ruskin University |  |
| <b>2c. Faculty</b>  |  |
| Faculty of Science and Engineering  |  |
| <b>3a. Level</b>  |  |
| 6   |  |
| <b>3b. Module Type</b>  |  |
| Standard (fine graded)  |  |
| <b>4a. Credits</b>  |  |
| 30  |  |
| <b>4b. Study Hours</b>  |  |
| 300   |  |

| 5. Restrictions                                    |                        |                                 |            |
|--|------------------------|---------------------------------|------------|
| Type   | Module Code            | Module Name                     | Condition  |
| Pre-requisite:                                     | MOD008410              | Design Studio B1 (Architecture) | Compulsory |
| Pre-requisite:                                     | MOD008412              | Design Studio B2 (Architecture) | Compulsory |
| Co-requisites:                                     | None                   |                                 |            |
| Exclusions:  | None                   |                                 |            |
| <b>Courses to which this module is restricted:</b> | BA (Hons) Architecture |                                 |            |

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

| 6a. Module Description   |
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| <p>This module examines 20th Century architecture; its context and historical development. It develops skills of critical argument, which are applied within the context of an architectural design of a medium complexity building. Critical appraisals and appreciation of theoretical issues such as quality in building are explored. The architectural design developed within the module not only has a theoretical base related to context, historical development and critical argument but also emphasises practical solution.</p> <p>You will be given a design brief is based on a multi-storey public building of medium complexity. Although the building must be functional in its planning and its construction, particular emphasis will be placed on the building's sense of place and its architectural development. Design issues, design generators and concepts must be declared. Your ability for architectural design is developed with an emphasis on technical solution, building technology and internal planning and management.</p> <p>Employability skills - you will acquire knowledge related to current construction issues and special forms of construction. You will also demonstrate an understanding of alternative forms of construction related to sustainable strategies to address climate change.</p> <p>The Module requires your continual development of design directed through regular weekly studio teaching sessions. Teaching is by studio tutorials supported by lectures.</p> |

## 6b. Outline Content

Knowledge Based:(related to design methodology and appropriate architectural precedent), and key skills in the context of:

- Consider current environmental and construction issues relating to buildability, sustainable construction, fire safety, thermal mass, lean construction and fast track construction.
- Describe forms and methods of special construction covering energy saving buildings, recycled buildings, alternative technology buildings, various cultural buildings, tall structures, large span structures and hi-tech construction forms.
- Inception & feasibility: Analysis of client requirements. Site and location analysis including opportunities and constraints. Environmental impact analysis.
- Detailed Design & Production: Research into building functions and requirements. Decisions on structural systems, roofing & building envelope. Energy use and environmental considerations. Services provision and renewal. Quality, industrialisation and buildability.
- Appropriate deployment of architectural precedents
- Design Issues, Concepts and Generators.
- Design Management
- Site characteristics, statutory constraints
- Sustainability in terms of social, economic, environmental and technological issues.
- Drawings, Models, Digital agility and multi-media presentation skills.
- Intellectual, personal and professional skills related to urban design and its manifestation.
- Study of 20th Century architecture.
- Identification of styles and language of architecture.
- Development of critical explanations of architecture.
- Demonstration of architectural criticism in terms of appropriate precedent, theory and other aspects that have informed personal design decisions.
- Developing professional technical drawing skills.
- 3D presentations, digital and physical model making.

## 6c. Key Texts/Literature

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

## 6d. Specialist Learning Resources

Studio based

| 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                                 | Demonstrate confident familiarity and detailed knowledge/understanding of the historical growth of cities and 20th Century architecture, including the influences of art on architectural design.                       |
| 2  | Knowledge and Understanding                                 | Evaluate current construction and environmental issues and practices, and apply innovative construction technology and environmental technology to the design and production of a building and its related landscape.   |
| 3  | Intellectual, practical, affective and transferrable skills | Apply constructive theoretical criticism to architectural design, taking into account current global environmental issues and the creative application of the fine arts and their relevance and impact on architecture. |
| 4  | Intellectual, practical, affective and transferrable skills | Develop an appropriate brief and architectural design for a medium complexity building with emphasis on sustainable technological solutions, economy, environmental issues and legislation                              |
| 5  | Intellectual, practical, affective and transferrable skills | Coherently evaluate how architectural theory and appropriate social, environmental, and structural strategies have informed your design.  |
| 6  | Intellectual, practical, affective and transferrable skills | Present orally, graphically, physically and digitally your own ideas at a professional level, taking into account appropriate architectural precedents which have informed your design.                                 |

| 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    | 1-2               | 1 hours per week studio lecture   |
| Other teacher managed learning                          | 60    | 1-6               | Workshops, discussions, presentations and project design in the studio 5 hours per week |
| Student managed learning                                | 228   | 1-6               | Design Work, research and preparation   |
| TOTAL:  | 300   |                   |   |

| <b>9. Assessment for the above Module Occurrence</b>   |                          |                          |                      |                                |                            |
|--|--------------------------|--------------------------|----------------------|--------------------------------|----------------------------|
| <b>Assessment No.</b>  | <b>Assessment Method</b> | <b>Learning Outcomes</b> | <b>Weighting (%)</b> | <b>Fine Grade or Pass/Fail</b> | <b>Qualifying Mark (%)</b> |
| 010  | Coursework               | 1-2                      | 15 (%)               | Fine Grade                     | 40 (%)                     |
| <b>Illustrated Report 1000 words</b>   |                          |                          |                      |                                |                            |
| <b>Assessment No.</b>  | <b>Assessment Method</b> | <b>Learning Outcomes</b> | <b>Weighting (%)</b> | <b>Fine Grade or Pass/Fail</b> | <b>Qualifying Mark (%)</b> |
| 011  | Practical                | 1-6                      | 85 (%)               | Fine Grade                     | 40 (%)                     |
| <b>Presentation to jury of professionals, review of preliminary design work equivalent to 5000 words</b> |                          |                          |                      |                                |                            |

**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]**