Glasgow School of Art Course Specification
Course Title: Architectural Technology 3: Partial Credit (Exchange out, Exchange in & Study Abroad)

Please note that this course specification is correct on the date of publication but may be subject to amendment prior to the start of the 2023-24 Academic Year.

Course Code:	HECOS Code:	Academic Session:
UBAR302X		2023-24

1. Course Title:
Architectural Technology 3: Partial Credit (Exchange out, Exchange in & Study Abroad)

2. Date of Approval:	3. Lead School:	4. Other Schools:
PACAAG April 2022	Mackintosh School of Architecture	N/A

5. Credits:	6. SCQF Level:	7. Course Leader:
20 SCQF / 10 ECTS	9	Virginia Rammou

8. Associated Programmes:
Bachelor of Architecture with Honours

9. When Taught:
Semester 1

10. Course Aims:

The aims of course are to achieve:

- The ability to evaluate and comment on buildings and their performance in relation to a range of social, economic and physical criteria, as well as identifying and explaining their architectural significance.
- A researched understanding of sustainability in order to take a position as a designer reflected in the ability to devise and implement strategies for sitting; energy use; choice of construction, materials and processes; and for the quality of the internal environment and micro-climate.
- Knowledge of building construction, structure, environmental and service integration for more complex and multi-storey buildings and the ability to integrate these with architectural intentions.

11. Intended Learning Outcomes of Course:

By the end of this course students will be able to:
Demonstrate and or work with the following categories

Category 1 Knowledge and Understanding
A critical understanding and interpretation of the briefing and performance of buildings.

Category 2 Practice: Applied Knowledge and Understanding Fluency in the selection of media to predict the outcome of design decisions and be able to test design proposals against the stated aims of a given design brief. Execute defined projects supported by areas of research, development or investigation and identify and implement relevant outcomes. A researched and integrated knowledge of building construction and materials, structural design, and energy transfer mechanisms synthesized in coherent design projects that express architectural intentions and considerations of a sustainable environment. The ability to explore, compare and record options as part of the design process, and critically and reflectively evaluate key design decisions.

Category 3 Generic Cognitive Skills Undertake critical analysis, evaluation and synthesis of ideas, concepts, information and issues relevant to contemporary discipline of architecture. Draw on a range of source in making judgements.

Category 4 Communication, ICT and Numeracy Skills With sufficient skill and knowledge of current practice and procedures in CAAD to enter a professional office for a year of supervised practical training.

12. Indicative Content:

The course entails the following areas of study:

Structural Design – Entails instruction in selected principles of structural elements and systems, structural materials, and structural typologies to a scale commensurate with Studio Work 3, building on knowledge and principles learned in Stage 2.
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Principles of Building - Examines the performance requirements of building elements, based on the principles taught in Stages 1 and 2 (or equivalent), in the context of total building design.

13. Description of Summative Assessment Methods:

Work assessed through project work, practical examinations throughout the course, with a summative point at the end of the course.

Continuing students failing this course at the summative point will be withdrawn from the exchange route and will rejoin the main cohort and Architectural Technology 3 course. In that instance the summative grade will be treated as a formative grade.

External (Exchange In and Study Abroad) students failing the course at the summative point will have retrieval by resubmitting their work for the June Examination Diet.

Assessment Method	Description of Assessment Method	Weight %	Submission week (assignments)
Course Work	Structural Design 3 (partial credit): Examined through Course Work and Technical study	50	Semester 1 Week 13

Course Work	Principles of Building 3 (partial credit): Technical Study	50	Semester 1 Week 13

13.1 Please describe the Summative Assessment arrangements:
Learning level outcomes stated for the course must be achieved, and ability to fulfil these is graded against the marking scheme (see Code of Assessment). A pass must be achieved in all components.

14. Description of Formative Assessment Methods:
Formative feedback is given during studio based tutorials.
14.1 Please describe the Formative Assessment arrangements:
Students are required to make a submission of work which is assessed against the intended learning outcomes and assignment brief.

15. Learning and Teaching Methods:	
Formal Contact Hours	**Notional Learning Hours**
30	200
15.1 Description of Teaching and Learning Methods:	
Timetable: Lectures are held on a weekly basis.Group tutorials held in conjunction with Studiowork 3.	

16. Pre-requisites:
A pass in Bachelor of Architecture with Honours Stage 2 or equivalent

17. Can this course be taken by Exchange/Study Abroad students?	Yes
18. Are all the students on the course taught wholly by distance learning?	No
19. Does this course represent a work placement or a year of study abroad?	No
20. Is this course collaborative with any other institutions?	No
20.1 If yes, then please enter the names of the other teaching institutions:	
N/A	

21. Additional Relevant Information:
N/A

22. Indicative Bibliography:
Recommended reading list: Journals such as Architects' Journal, EMAP Communications, and Detail, Vertrieb and Abonnemen in preference to construction books, which tend to be out of date and not aimed at students of architecture. The following books are useful for specific applications such as the opaque and glazed envelope: J. M. Anderson and J. R. Gill, (1988), *Rainscreen Cladding, a guide to design principles and practice*, CIRIA, Butterworths.

A. J. Brookes and C. Grech, (London 1990) *The Building Envelope, Applications of new technology cladding*, Butterworth Architecture.