THE GLASGOW SCHOOL:ℇ ARℇ	Course Specification

Course Code:

UBAR302

1. Course Title:

Architectural Technology 3 – Partial Credit (exchange out, exchange in & study abroad)

2. Date of Production/ Revision:

9 January 2013

3. Level:

SCQF 9

4. Credits:

20 SCQF/ 10 ECTS

5. Lead School/Board of Studies:

Mackintosh School of Architecture

6. Course Contact:

Tim Sharpe

7. 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.

8. 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.

9. Indicative Content:

The course entails the following areas of study:

Environmental Design - Analysis of the principles underlying the selection and design of servicing systems appropriate to Studio Work projects, with regard to energy-efficient, integrated design.

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.

10. Description of Summative Assessment:

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 ands 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.

10.1 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 Academic Regulations).

11. Formative Assessment:
Formative feedback is given during studio based tutorials.
11.1 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.

12. Collaborative:	
Yes ☐	**No** ☒
12.1 Teaching Institutions:	
N/A	

13. Requirements of Entry:
A pass in Stage 2 BArch courses or equivalent

14. Co-requisites:
Studio Work 3-Partial Credit; History of Architecture and Urban Studies HAUS 3-Partial Credit; Professional Studies 3

15. Associated Programmes:
Bachelor of Architecture (Hons)

16. When Taught:
Fifteen weeks from the beginning of Term 1

17. Timetable:
Lectures on a weekly basis, with group tutorials held in conjunction with ARCHSTUD3.
Term 1 Week 1   General Introduction   Term 1 week 8/9   Formative assessment   Term2 Week 1/2   Final Submission

18. Available to Visiting Students:	
Yes ☒	**No** ☐

19. Distance Learning:	
Yes ☐	**No** ☐

20. Placement:	
Yes ☐	**No** ☒

21. Learning and Teaching Methods:

Method	Formal Contact Hours	Notional Learning Hours (Including formal contact hours)
Lecture	15	15
Studio	15	100
Seminar/Presentation		
Tutorial		
Workshop		
Laboratory work		
Project work		
Professional Practice		
E-Learning / Distance Learning		
Placement		
Examination		
Essay		
Private Study	Not Applicable	85
Other (please specify below)		
TOTAL	**30**	**200**

22. Description of "Other" Teaching and Learning Methods:

N/A

23. Additional Relevant Information:

N/A

24. Indicative Bibliography:

Recommended reading list:

Journals such as Architects' Journal, EMAP Communications, and Detail, Vertrieb and Abonnemenin 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 andpractice, CIRIA, Butterworths.

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