

Partner Module specification

Module Code:	ARA706
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Module Title:	Detail and Construction
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Level:	7	Credit Value:	20
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Cost Centre(s):	GAAA	JACS3 CODE:	K110
		HECoS code:	100583

Faculty	Faculty of Arts, Science and Technology	Module Leader:	Tony Taliadoros
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Scheduled learning and teaching hours	100 hrs
Guided independent study	100 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
MA Architectural Interior Design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pre-requisites		
None		

Office use only

Initial approval: 03/09/2019

Version no:2

With effect from: 03/09/2019

Date and details of revision:

Version no:

Module Aims

The aim of this module is to engage and investigate the principles of construction from concept to documentation. Students will consolidate and apply knowledge of material tolerances, installation, the nature of services and the efficient application and integration of an original design.

Students will produce detailed design drawings, developing a systematic understanding of the relationship between designer and contractor translating their innovative original design into practical solutions and in so doing advancing the understanding of the properties of materials. Supported by the relevant technical knowledge in the production of sound specifications and detailed design students will research and evaluate their work as it evolves from concept to build thus addressing the specifics of professional practice.

Students will conduct a self-directed exploration of materials with reference to their empirical nature, associated meanings and the perception of their design potential, developing a deep level of understanding of sensory communication through a consideration of material culture.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to		Key Skills	
1	Demonstrate working knowledge of relevant research on materials and document a range of additional sources of information, which may include as appropriate: case histories, site visits, plans and associated published documentation.	4	7
		6	10
2	Reflect upon the selection processes in design terms, considering a materials performance, aesthetic relevance and cultural meaning.	1	8
		3	9
3	Organise and communicate working drawings design details and specific detail in construction documentation that meets professional requirements and is communicated comprehensively in both practical and conceptual terms.	1	5
		3	9
		4	

Transferable skills and other attributes

Teamwork and collaborative working
Research and analysis skills
Numeracy
Problem solving through creative and technical projects

Derogations

None

Assessment:**Indicative Assessment Tasks:**

The student is expected to document their investigations by logging information gathered from site visits, research activities and reading of published materials. The gathered material is expected to be influential in the design and subsequent evaluation of the design work undertaken by the student. The design work will incorporate sketch development through to working design drawings with technical specifications and material choices.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1, 2	Coursework	100%	

Learning and Teaching Strategies:

Students will be encouraged to explore professional and industry practitioners relevant to the detail areas specified in the project briefs. This will be accompanied by a programme of lectures supported by essential technical information sessions, which forms the basis of coursework assessment at the end of Semester 2. Students are encouraged to balance the needs of construction and its effects on the overall design proposal with the capacity to offer alternative design solutions to the client/tutors. Work includes intensive tuition in the detailed construction of interior fit outs and extensions, both of which generate the need for detailed design drawings. The initial briefing includes comprehensive consideration of general construction and constraints of selected building situations, placed in relation to the wider social and environmental contexts.

Syllabus outline:

Principles of building construction and structural behavior.
Technical application of hard and soft finishes and the detailed installation of services.
Detailed areas such as, staircase design, built in fitments, plumbing specification, lighting, residential and commercial.
Specialist and applied construction studies dealing with the fabric of commercial buildings.

Indicative Bibliography:

Essential reading

Brown, R. (2012) *Materials for Interior Design*, Laurence King, London.

Chudley, R Greeno, R. (2016) *Building Construction Handbook*. 11th Edn. Routledge, Abingdon, Oxfordshire.

Plunkett, D. (2015) *Construction and Detailing for Interior Designers*. 2nd Edn. Laurence King, London.

Other indicative reading

Ashcroft, R. (1992) *Construction for Interior Designers*. Pearson Longman, Harlow, UK.

Ching F, D. (2014) *European building Construction Illustrated*. John Wiley & Sons. New Jersey, US.

Innes, M.m(2012). *Lighting for Interior Designers* (Laurence King, London.

<https://www.planningportal.co.uk>

<http://www.hse.gov.uk/construction/cdm/2015/>

<http://britishfurnitureconfederation.org.uk/>

<http://cae.org.uk/> Centre for Accessible Environments

<http://www.hse.gov.uk/pubns//priced/hsg38.pdf>

www.barbourproductsearch.info

www.inhabitat.com

www.architonic.com

transmaterial.net

<http://www.hse.gov.uk/>

<http://www.hse.gov.uk/pubns//priced/hsg38.pdf>