

Module Specification

Module Summary Information

1	Module Title	Design and Surveying Skills
2	Module Credits	20
3	Module Level	4
4	Module Code	BNV4101

5	Module Overview
<p>This module will support the Architectural Technology and Building Surveying courses and aims to:</p> <ul style="list-style-type: none"> • Provide you with a broad based study of Architectural Technology together with the personal qualities of observation, analysis, judgement and communication appropriate for the profession. • Provide you with a clear understanding of how their decisions regarding technology, materials and design impact on the environment. • Provide you with the ability to communicate effectively using appropriate technical language and drawings associated with the practice of Building Surveying. • Provide you with an understanding of the whole life structure and fabric of the built environment. 	

6	Indicative Content
<p>Topics covered will include:</p> <ul style="list-style-type: none"> • Freehand and orthogonal drawing methods. • Construction drawing production using computer software. • Research for design decision making. • Recording learning in a structured format. • Creation of building specifications. • Appreciation of structural form, building stability and economy in design. • Traditional building survey methods and recording techniques. • Physical building model construction using simple model making techniques. • Visual presentation material/methods. 	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Employ a range of creation and modifier tools within the CAD and BIM software to produce high-quality building models and drawings within industry standard parameters.
2	Employ freehand sketching and technical drawing skills to produce annotated construction detail drawings together with a structured record of research and decision making.

	3	Use photographs and observational measurement to research, record and produce building surveys.
	4	Apply industry standard specification, financial and structural techniques.
	5	Employ appropriate techniques to record self-development in a professional format.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1-5	X		

9	Breakdown Learning and Teaching Activities	
Learning Activities	Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	24	
Private Study (PS) includes preparation for exams	128	
Total Study Hours:	200	