

Module Specification

Module Summary Information

1	Module Title	Building Information for Construction
2	Module Credits	20
3	Module Level	4
4	Module Code	BNV4117

5	Module Overview
<p>This module will provide support for HNC students that wish to progress into the Architectural Technology and Building Surveying courses at undergraduate level and aims to:</p> <p>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.</p> <p>Provide you with a clear understanding of how their decisions regarding technology, materials and design impact on the environment.</p> <p>Provide you with the ability to communicate effectively using appropriate technical language and drawings associated with the practice of Building Surveying.</p> <p>Provide you with an understanding of the whole life structure and fabric of the built environment.</p>	

6	Indicative Content
<p><i>The content of the module include the following key areas:</i></p> <p>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.</p> <p>Introduction to 2 and 3D CAD software, personal profiling and professional body review. Model making workshops, Photography and observational</p> <p>2 Develop freehand sketching and technical drawing skills to produce annotated construction detail drawings together with a structured record of research and decision making.</p> <p><i>Computer Aided Design (CAD). Templates. Title blocks. Annotation. Building Information Modelling (BIM). Specification software. Bills of quantities. Schedules of works.</i></p> <p>3 Use photographs and observational measurement to research, record and produce building surveys.</p> <p><i>Reading construction drawings. Information co-ordination. Clash detection. 'Red-lining'.</i></p> <p>4 Apply industry standard specification, financial and structural techniques.</p> <p><i>Project roles. Information production. Hierarchy of roles and information. Project collaboration. Document sharing/distribution. Online/cloud-based collaboration. Building Information Modelling (BIM).</i></p>	

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	Develop 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.	

8		Module Assessment		
Learning Outcome	Coursework	Exam	In-Person	
1-4	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	60	
Private Study (PS) includes preparation for exams	92	
Total Study Hours:	200	