

Module Specification

Module Summary Information

1	Module Title	Foundation Computing
2	Module Credits	20
3	Module Level	3
4	Module Code	BNV3004

5	Module Overview
<p>The use of computing and technology have become an essential part in our daily routines. This module aims to focus on many of the daily utilised computing technologies such as ICT, programming, graphics and effective use of visualisation tools. It then draws the attention towards built environment computing technologies, demonstrating how different professions utilise it to communicate, exchange and interpret information. Regardless of the built environment profession that you aim to specialise in, this module embeds computing technology-related knowledge that will support you at different levels during your degree.</p> <p>This module has 2 additional hours for support.</p>	

6	Indicative Content
<ul style="list-style-type: none"> • Develop basic programming skills (using Python coding language). • Understand applied coding in daily practice (e.g. Macros in Excel). • Develop basic visualisation skills (e.g. Adobe Packages). • Understand the role of computing in the built environment. • Understand the use of digital maps within the built environment. • Introduction to AutoCAD. • Understand the role of computing for different built environment professionals. 	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Appreciate the importance of different computing technologies in the built environment and communicate these to a general audience.
2	Demonstrate to a proficient level the application of computing technology in the built environment.

8 Module Assessment			
Learning Outcome			
	Coursework	Exam	In-Person
1-2	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	72
Private Study (PS) includes preparation for exams	80
Total Study Hours:	200