

Module Specification

Module Summary Information

1	Module Title	Sustainable Construction
2	Module Credits	7
3	Module Level	20
4	Module Code	BNV7129

5	Module Overview
<p>The programme philosophy seeks to respond to a changing employment market and to the changing requirements of the construction industry. Its aim is to give you a broad yet rigorous grounding in the fundamentals of organising and managing construction projects. This module is consistent with this philosophy as it discusses the reality of construction activities which have a long-lasting effect on the environment therefore sustainable and environmentally sound construction methods and innovative management practices are needed.</p> <p>The programme aims to help you enhance your career opportunities within a global construction industry. This module delivers against the following programme aims:</p> <ul style="list-style-type: none"> • facilitate you to develop a systematic understanding of the knowledge and a critical awareness of the problems, issues and opportunities for the management of construction projects; • improve your awareness and appreciation of the conflicting interests within construction projects and the political, social, cultural, economic, technological, environmental, legal and organisational factors involved; • enable you to become more capable, creative, reflective and critical construction professionals; <p>This will be achieved in this module through understanding the construction industry's response to climate change and sustainability, evaluating various responses to these issues, critically reflecting on what constitutes good practice and developing creative solutions to challenges faced.</p>	

6	Indicative Content
<p>Introduction to sustainability Applying sustainability Climate change Sustainable Design and construction processes Waste management Environmental Law Renewable Energy and Energy efficiency Sustainability assessment Sustainable building materials SUDS and water management Case study visit</p>	

7	Module Learning Outcomes	
	On successful completion of the module, students will be able to:	
	1	Demonstrate an understanding of the relationship between climate change and the concept of sustainability and its implication to the built environment.
	2	Evaluate sustainable construction/design solutions and critically reflect on good practice examples (national and international).
	3	Explore and analyse the role of the Project Manager/ Quantity Surveyor/ in the delivery of sustainability in a construction context.
4	Critically analyse future opportunities and threats for sustainable construction solutions nationally and internationally.	

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	36	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	80	
Private Study (PS) includes preparation for exams	84	
Total Study Hours:	200	