

Module Specification

Module Summary Information

1	Module Title	Innovation in Construction
2	Module Credits	20
3	Module Level	7
4	Module Code	BNV7149

5	Module Overview
<p>This course is seeking to create effective, efficient and creative managers of construction projects from design right through to occupation. Innovation is a key aspect of this both in managers' ability to conceive of new approaches but also to implement series of improvements and to cope with disruption. The module takes a 'learning approach' to innovating considering this at both the system level and the individual level. In this, it explores and challenges different conceptions of innovation and seeks to devise strategies for implementation and success within different contexts. This issue of context is particularly important because of the differences in international locations of the students. The ideas of change and change management are fundamental and it is assumed that to be successful people and organisations need to learn to change. Innovation can be radical or incremental and the rewards from these need to be balanced with the risk of not achieving implementation. Innovative ideas can be presented as externally driven which tend to be disruptive and internally driven which may appear benign. The evaluation of the success of innovation is exceptionally complicated made worse by the hidden self-interest and rhetoric. Thus, learning to inquire into the realities of innovation within the context of application is key to improvement. This module also promotes thinking which will be particularly useful for dissertation.</p>	

6	Indicative Content
<p>Systems Thinking for Innovation Construction Context Innovation Types Interventions and implementation Innovation theory Sustainability Coping with change IT revolution and IoT as a service model Platform technologies</p>	

7	Module Learning Outcomes	
	On successful completion of the module, students will be able to:	
	1	Articulate and evaluate different aspects of innovation.
	2	Examine the significance of context in the approach and success of innovation.
	3	Promote, plan for and implement a particular innovation in context.
	4	Evaluate levels learning in a change situation.

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	60	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	30 (reviewing innovations and application case studies)	
Private Study (PS) includes preparation for exams	110 (preparation of innovation plans)	
Total Study Hours:	200	