

Module Specification

Module Summary Information

1	Module Title	Integrated Project Delivery
2	Module Credits	20
3	Module Level	7
4	Module Code	BNV7125

5	Module Overview
<p>This module takes a production process view of design, construction and operation enabling students to appreciate developments in effectiveness and efficiency and how these can be managed. This will consider concepts such as transformation, flow and value creation to understand the notion of integrated project delivery. The module will focus on integrating people, process and technology, design and construction management, integrated procurement strategies, continuous improvement, BIM process for information delivery, UK BIM standards and their implication on construction processes, digital plan of works, project protocols, execution plans, workflows and responsibility matrices, and BIM standards around the world. The module will continually compare current practice with new practice reviewing how change can take place and how it can be assessed.</p> <p>Teaching will be based on weekly lectures, supplemented with seminar sessions / workshops during which the students will work in groups and present their findings in respect of scenarios / case studies. These will be delivered in class or web based. Moodle will be used for discussion and feedback. This develops intellectual and technical skills fundamental to the course.</p>	

6	Indicative Content
<ul style="list-style-type: none"> Production theories Approaches to Integrated Design and Production Integrated Procurement strategies Integrating people, process and technology Continuous improvement BIM process for information delivery UK BIM standards and protocols Process mapping and design Digital plan of works BIM standards around the world Lean and Agile approaches 	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Examine the Process View of integrated project delivery.
2	Analyse BIM standards and protocols using the Process View.
3	Propose and justify new practices for the effective delivery of integrated projects.
4	Critically analyse a process view in a BIM environment.

8 Module Assessment			
Learning Outcome			
	Coursework	Exam	In-Person
1-4	100%		

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	e.g. site visit 30
Private Study (PS) includes preparation for exams	preparation of process diagrams and rich pictures 110
Total Study Hours:	200