APPROVED

Bachelor of Science (Honours) in Building Information Modelling and Management
Faculty of Engineering & Science

Award Class	

Awards
BSc (Hons)

Programme Code	CR_CBIMM_8	Mode of Delivery	Part Time, Fully Online, Partially Online	No. of Semesters	3

NFQ Level	8	Embedded Award	No	Programme Credits	60

Next Review Date	
Review Type	*Date*
Programmatic Review	01/09/2024

Department	CIVIL, STRUCTURAL & ENVIRONMENTAL ENGINEERING

Field of Study	5822 - Civil Engineering

Programme Outcomes

Upon successful completion of this programme the graduate will be able to demonstrate... :

#	PO Domains	Programme Learning Outcome
PO1	Knowledge - Breadth	A broad knowledge and understanding of the concepts, methods and technologies pertaining to information modelling and management in the delivery of built environment projects.
PO2	Knowledge - Kind	In-depth knowledge and ability in the adoption of a collaborative interdisciplinary approach to information modelling and management in the delivery of built environment projects, including innovative responses to people management and technical challenges.
PO3	Skill - Range	The ability to apply, evaluate, and/or create innovative strategies by adopting a design thinking approach which leverages current and emerging digital technologies, in response to the challenges typical of current and future practice.
PO4	Skill - Selectivity	The ability to provide appropriate solutions that integrate people, process and technology in the delivery of built environment projects.
PO5	Competence - Context	The ability to assume personal responsibility for fostering a collaborative culture and related policies in the innovative and effective application of information modelling and management to support various discipline specialists in the delivery of built environment projects.
PO6	Competence - Role	The ability to work autonomously, in teams and in multi-disciplinary settings to give advice and to assume responsibility for the direction of important tasks in information modelling and management of built environment projects. The ability to communicate effectively with the architectural, engineering, and construction (AEC) community and with society at large.
PO7	Competence - Learning to Learn	The capacity to identify learning needs and to undertake continuous learning (including lifelong learning and continuing professional development), incorporating the ability to closely and continuously follow progress by consulting newly published works, assimilating such information and applying it independently.
PO8	Competence - Insight	An understanding of the wider social, political, business and economic context within which the AEC sector professional operates and the need for high ethical standards in practice, including responsibilities towards people and the environment.

Semester Schedules
Year 1 / Semester 1

Mandatory				
Code	Title	Module Coordinator	Version	Credits
INTR8028	**BIM - Theory and Practice**	DES WALSH	3	5
INTR8034	**BIM Project - Research Phase**	DES WALSH	1	5
INTR7024	**Collaborative BIM**	DES WALSH	2	10

Year 1 / Semester 2

Mandatory				
Code	Title	Module Coordinator	Version	Credits
INTR8035	**BIM Project - Implementation**	DES WALSH	1	10
DESI8018	**Design Thinking for BIM**	DES WALSH	2	5
INTR8043	**Digital Design & Construction**	DES WALSH	1	10

Year 1 / Semester 3

Year 1 Semester 3 Elective Regulation

Students are expected to register for the GE1 elective. Registration for the GE2 electives is only permitted in exceptional circumstances where Industrial Placement is not possible, registration for the GE2 electives may only be made with the permission of the programme Head of Department.

Group Elective 1				
Code	Title	Module Coordinator	Version	Credits
PLAC8019	**AEC Industry Placement**	DES WALSH	1	15

Group Elective 2				
Code	Title	Module Coordinator	Version	Credits
CIVL8031	**AEC Project & Contract Mgmt**	DES WALSH	1	5
INTR8031	**Project BIM+M**	DES WALSH	1	10