

Master in Building Information Modelling (BIM) and Integrated Project Delivery

Program Structure

Program Code	Total Subject	Intakes	Duration	Degree Structure
SD-93039, V1	14	Jan, May, Sept	3 semesters	14 required subjects

Required Subjects		
SSUD70-301	Foundations of Intelligent Construction (Open BIM)	Jan, May, Sept
SSUD70-302	Intellectual Property Rights (Data Exchange)	Jan, May, Sept
SSUD70-303	3D-BIM (Virtual and Augmented Reality)	Jan, May, Sept
SSUD70-304	4D-BIM (Schedule Optimisation)	Jan, May, Sept
SSUD70-305	5D-BIM (Cost Modelling)	Jan, May, Sept
SSUD70-306	6D-BIM (Environment Sustainability Assessment)	Jan, May, Sept
SSUD70-307	7D-BIM (Facilities Management)	Jan, May, Sept
SSUD70-308	BIM and Big Data (Geographic Information Systems – GIS)	Jan, May, Sept
SSUD71-010	Project Process Reengineering (Workflow Visualisation and Change)	Jan, May, Sept
SSUD71-011	Continuous Process Improvement (Quality and Safety Standards)	Jan, May, Sept
SSUD72-310	Integrated Project Delivery Capstone A (20cpts)	Jan, May, Sept
SSUD71-012	Productivity and Off-site Fabrication (Minimising Waste)	Jan, May, Sept
SSUD71-013	Managing Complexity in Construction (Maximising Value)	Jan, May, Sept
SSUD72-311	Integrated Project Delivery Capstone B (20cpts)	Jan, May, Sept



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Program Sequence

Commencing January		Commencing May		Commencing September	
Semester 1 (Jan)		Semester 1 (May)		Semester 1 (Sept)	
SSUD70-301	Foundations of Intelligent Construction (Open BIM)	SSUD70-301	Foundations of Intelligent Construction (Open BIM)	SSUD70-301	Foundations of Intelligent Construction (Open BIM)
SSUD70-302	Intellectual Property Rights (Data Exchange)	SSUD70-302	Intellectual Property Rights (Data Exchange)	SSUD70-302	Intellectual Property Rights (Data Exchange)
SSUD70-303	3D-BIM (Virtual and Augmented Reality)	SSUD70-303	3D-BIM (Virtual and Augmented Reality)	SSUD70-303	3D-BIM (Virtual and Augmented Reality)
SSUD70-304	4D-BIM (Schedule Optimisation)	SSUD70-304	4D-BIM (Schedule Optimisation)	SSUD70-304	4D-BIM (Schedule Optimisation)
SSUD70-305	5D-BIM (Cost Modelling)	SSUD70-305	5D-BIM (Cost Modelling)	SSUD70-305	5D-BIM (Cost Modelling)
SSUD70-306	6D-BIM (Environment Sustainability Assessment)	SSUD70-306	6D-BIM (Environment Sustainability Assessment)	SSUD70-306	6D-BIM (Environment Sustainability Assessment)
SSUD70-307	7D-BIM (Facilities Management)	SSUD70-307	7D-BIM (Facilities Management)	SSUD70-307	7D-BIM (Facilities Management)
SSUD70-308	BIM and Big Data (Geographic Information Systems – GIS)	SSUD71-308	BIM and Big Data (Geographic Information Systems – GIS)	SSUD71-308	BIM and Big Data (Geographic Information Systems – GIS)
Semester 2 (May)		Semester 2 (Sept)		Semester 2 (Jan)	
SSUD71-010	Project Process Reengineering (Workflow Visualisation and Change)	SSUD71-010	Project Process Reengineering (Workflow Visualisation and Change)	SSUD71-010	Project Process Reengineering (Workflow Visualisation and Change)
SSUD71-011	Continuous Process Improvement (Quality and Safety Standards)	SSUD71-011	Continuous Process Improvement (Quality and Safety Standards)	SSUD71-011	Continuous Process Improvement (Quality and Safety Standards)
SSUD72-310	Integrated Project Delivery Capstone A (20cpts)	SSUD72-310	Integrated Project Delivery Capstone A (20cpts)	SSUD72-310	Integrated Project Delivery Capstone A (20cpts)
Semester 2 (Sept)		Semester 2 (Jan)		Semester 2 (May)	
SSUD71-012	Productivity and Off-site Fabrication (Minimising Waste)	SSUD71-012	Productivity and Off-site Fabrication (Minimising Waste)	SSUD71-012	Productivity and Off-site Fabrication (Minimising Waste)
SSUD71-013	Managing Complexity in Construction (Maximising Value)	SSUD71-013	Managing Complexity in Construction (Maximising Value)	SSUD71-013	Managing Complexity in Construction (Maximising Value)
SSUD72-311	Integrated Project Delivery Capstone B (20cpts)	SSUD72-311	Integrated Project Delivery Capstone B (20cpts)	SSUD72-311	Integrated Project Delivery Capstone B (20cpts)

The information published in this document is correct at the time of printing. However, all programs are subject to review by the Academic Senate of the University and the University reserves the right to change its program offerings and subjects without notice.