

SCHOOL OF CIVIL, ENVIRONMENTAL & MINING ENGINEERING			BOOK LIST 2009			
UNDERGRADUATE AND MASTERS BY COURSEWORK COURSES						
YEAR	COURSE	BOOK TITLE	AUTHOR	Required Reading	Recom Reading	Course Textbook
1	Engineering Mechanics - Statics	Engineering Mechanics - Statics (11th SI Edition)	Hibbeler	x		x
1	Engineering Planning and Design IA	Planning and Design of Engineering Systems (2nd Edition)	Dandy, Walker, Daniell, V	x		x
1	Engineering Planning and Design IA	Economics: Engineering, Planning and Design	McTaggart, Findlay, Park	x		x
1	Introduction to Mining Engineering	Introductory Mining Engineering	Howard, Hartman, Mutmansk		x	
1	Engineering Modelling & Analysis I	Engineering Modelling & Analysis	Walker, Leonard, Metcalfe, Lambert		x	
2	Construction & Surveying	Construction Methods and Management	Nunnally		x	
2	Engineering Modelling & Analysis II	Engineering Modelling & Analysis	Walker, Leonard, Metcalfe, Lambert		x	
2	Environmental Engineering II	Introduction to Environmental Engineering & Science	Masters		x	
2	Geotechnical Engineering II	Applied Analysis in Geotechnics	Fethi Azizi	x		x
2	Geotechnical Engineering II	Soil Mechanics	R Craig		x	
2	Strength of Materials IIA	Mechanics of Materials 3rd Edition in SI units	Beer, Johnston & Dewolf			x
2	Water Engineering IIA	Engineering Fluid Mechanics 9th edition including WileyPlus for web access	Crowe et al	x		x
2	Water Engineering IIA	(Crowe textbook also used in 3rd and 4th year)				
2	Water Engineering IIA	Lecture Notes (available from office)	Simpson	x		x
2	Water Engineering II S2	Australian Rainfall & Runoff (Vol 1)	Institution of Engineers, Australia		x	
2	Water Engineering II S2	Hydrologic Analysis & Design	McCuen		x	
3	Environmental Eng & Env Eng & Design III	Environmental Engineering	D. Kiely		x	
3	Environmental Eng & Env Eng & Design III	Introduction to Environmental Engineering	M Davis & Cornwall		x	
3	Environmental Eng & Env Eng & Design III	Water Quality and Treatment	AWWA		x	
3	Environmental Eng & Env Eng & Design III	Chemistry and Unit Operations in Water Treatment	D Barnes		x	
3	Environmental Eng & Env Eng & Design III	Geotechnical Practice for Waste Disposal	D Daniel		x	
3	Environmental Eng & Env Eng & Design III	Water Treatment Principles and Design	Montgomery		x	
3	Environmental Eng & Env Eng & Design III	Integrated Design of Water Treatment Facilities	Kawamura		x	
3	Environmental Eng & Env Eng & Design III	Australian Drinking Water Guidelines	NHMRC		x	
3	Environmental Eng & Env Eng & Design III	Waste Containment Systems, Waste Stabilisation & Landfills; Design & Eval	H Sharma		x	
3	Environmental Eng & Env Eng & Design III	Water Treatment Processes - Simple Options	Vigneswaran		x	
3	Geotechnical Engineering Design III	Soil Mechanics	R Craig	x		x
3	Geotechnical Engineering Design III	Foundation Analysis & Design	J Bowles	x		x
3	Geotechnical Engineering Design III	Pile Foundation Analysis & Design	Poulos & Davis		x	
3	Geotechnical Engineering Design III	Soil Mechanics	Lambe & Whitman		x	
3	Geotechnical Engineering Design III	Applied Analysis in Geotechnics	Fethi Azizi		x	
3	Engineering Management and Planning	Design and Planning of Engineering & Systems (2nd Edition)	Meredith et al		x	
3	Engineering Management and Planning	Operations Research: An Introduction (6th Edition)	Taha		x	
3	Engineering Management and Planning	Planning and Design of Engineering Systems (2nd Edition)	Dandy & Warner	x		x
3	Engineering Modelling & Analysis III	Engineering Modelling & Analysis	Walker, Leonard, Metcalfe, Lambert		x	
3	Resource Estimation & Project Evaluation	Applied Mineral Inventory Estimation	Sinclair, Garston, Blackwell		x	
3	Rock Breakage	Drilling and Blasting of Rocks	CL Jimeno, EL Jimeno, F	x		
3 & 4	Engineering Management and Planning	Body Language*	S. Quilliam		x	
3 & 4	Engineering Management and Planning	Effective Leadership*	J. Adair		x	

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3 & 4	Engineering Management and Planning	Effective Teambuilding*	J. Adair		x	
3 & 4	Engineering Management and Planning	Joining together: Group Theory and Group Skills*	DW & EP Johnson		x	
3 & 4	Engineering Management and Planning	Lessons from the art of Juggling*	MJ Gelb & T. Buzan		x	
3 & 4	Engineering Management and Planning	Management for Engineers*	D Samson		x	
3 & 4	Engineering Management and Planning	People Skills*	R. Bolton		x	
3 & 4	Engineering Management and Planning	Please Understand Me: Character & Temperament Types*	K Deirse & M Bates		x	
3 & 4	Engineering Management and Planning	The Mind Map Book*	T. Buzan		x	
3 & 4	Engineering Management and Planning	The Seven Habits of Highly Effective People*	SR Covey		x	
3 & 4	Engineering Management and Planning	The Tao of Leadership*	J Heider		x	
3 & 4	Engineering Management and Planning	The Tao of Management An Age Old Study for New Age Managers*	B Messing		x	
3 & 4	Engineering Management and Planning	The Unblocked Manager: A Practical Guide to Self Development*	M Woodcock		x	
3 & 4	Engineering Management and Planning	Use your Head*	T Buzan		x	
3	Structural Design III - Concrete	Concrete Structures	Warner	x		
3	Structural Design III - Concrete	Australian Standards for Civil Engineering Students Part 2: Structural Eng	HB	x		
3	Structural Design III - Steel	The Behaviour and Design of Steel Structures to AS4100	Trahair & Bradford	x		
3	Structural Design III - Steel	Australian Standards for Civil Engineering Students Part 2: Structural Eng	HB	x		
3	Structural Mechanics IIIA	Structural Analysis - 5th Edition	R Hibbeller	x		x
3	Water Engineering & Design IIIA	Flow in Open Channels (3rd Edition)	Subramanya	x		
3	Water Engineering & Design IIIA	Lecture Notes				
3	Water Engineering & Design IIIB	Engineering Fluid Mechanics 9th edition including WileyPlus for web access	Crowe et al	x		x
3	Water Engineering & Design IIIB	(Crowe textbook also used in 4th year)				
3	Water Engineering & Design IIIB	Lecture Notes	Simpson	x		x
FINAL YEAR AND MASTERS BY COURSEWORK						
NOTE: Some of the following courses may not be available in 2008						
4 & 7	Composite Steel & Concrete Bridges and Buildings	Elementary Behaviour of Composite Steel & Concrete Structural Members	Oehlers & Bradford	x		
4 & 7	Deep Foundation Engineering & Design	Applied Analysis in Geotechnics	Fethi Azizi	x		
4 & 7	Deep Foundation Engineering & Design	Pile Foundation Analysis & Design	Poulos & Davis	x		
4 & 7	Water Distribution Systems & Design	Engineering Fluid Mechanics 9th edition including WileyPlus for web access	Crowe et al	x		x
4 & 7	Water Distribution Systems & Design	Lecture Notes	Simpson	x		x
4 & 7	Water Resources Optimisation & Design	Water Resources Syst Planning & Mgmt: an intro to methods, models & applica	Loucks and van Beek		x	
4 & 7	Civil Engineering Management IV	Construction Management Principles	Pilcher		x	
4 & 7	Civil Engineering Management IV	See books for Engineering Management & Planning				
4 & 7	Prestressed Concrete Structures	Concrete Structures	Warner et al		x	
4 & 7	Structural Dynamics due to Wind and Earthquake	Dynamics of Structures	AK Chopra		x	
4 & 7	Environmental Modelling, Management & Design	Environmental Engineering and Science	Masters		x	
4 & 7	Environmental Modelling, Management & Design	Principles of Surface Water Quality Modelling and Control	Thomann & Mueller		x	
4 & 7	Wastewater Engineering and Design	Introduction to Environmental Engineering & Science	Masters		x	
4 & 7	Wastewater Engineering and Design	Principles of Surface Water Quality Modelling and Control	Thomann & Mueller		x	