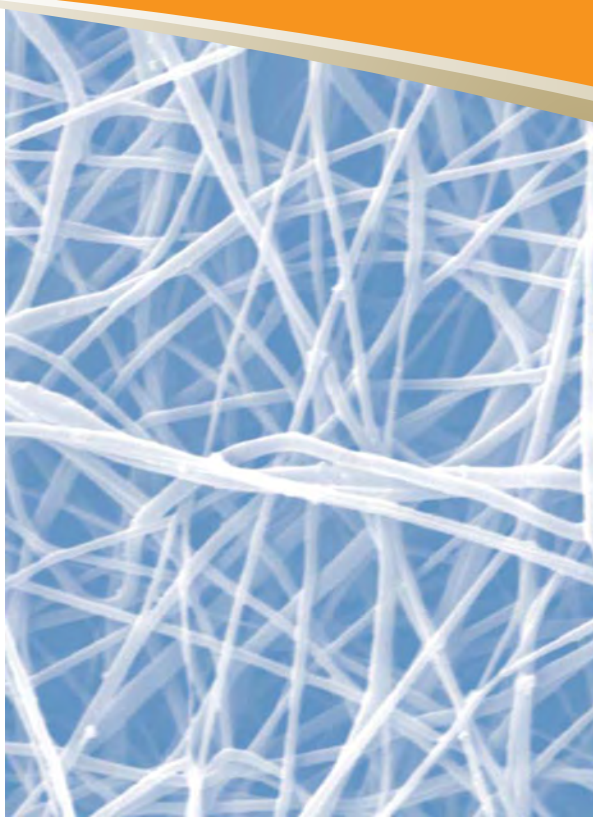
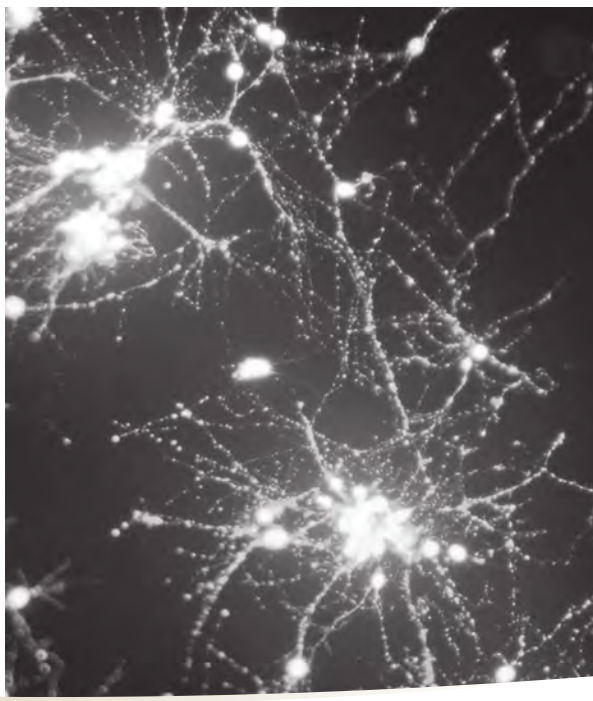
MONASH University
Engineering

GROUP OF EIGHT

Course Structure
Materials Engineering & Biomedical Science 2010





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Bachelor of Biomedical Sciences/ Bachelor of Engineering (Materials)

	Semester 1	Semester 2
Year 1	BMS1011 Biomedical Chemistry	BMS1052 Human Neurobiology
	BMS1021 Cells, Tissues and Organs	BMS1062 Molecular Biology
	BMS1031 Biomedical Physics or ENG1080 Foundation Physics	BMS1042 Biomedical Sciences and Society
	ENG1050 Materials Engineering or ENG1090 Foundation Mathematics	ENG1091 Mathematics for Engineers
Year 2	BMS2011 Structure of the Human Body	BMS2062 Introduction to Bioinfomatics
	BMS2021 Biochemistry in human function	ENG2091 Advanced engineering mathematics A
	MTE2541 Nanostructure of Materials	MTE2542 Microstructural Development
	MTE2544 Introduction to Functional Materials	MTE2545 Polymers and Ceramics I
Year 3	BMS2031 Body Systems	BMS2042 Human Genetics
	MTE2546 Mechanics of Materials	BMS2052 Microbes in Health and Disease
	MTE3544 Management and Practice in Materials Engineering	ENG1060 Engineering Computing
	MTE3541 Materials Durability	MTE2548 Biomaterials I
Year 4	BMS3021 Molecular Medicine and Biotechnology	BMS3032 Health policy and management
	BMS3011 Biomedical Basis of Disease	BMS Biomedical elective OR MTE4596 Biomaterials II
	MTE3543 Mechanics of Materials; Microstructure to application	MTE3546 Polymers & Ceramics II
	MTE3542 Microstructural Design in Structural Materials	MTE3545 Functional materials and devices
Year 5	BMS Biomedical elective	BMS3042 Biomedical basis of disease 2
	MTE4525 Materials Engineering Project 1	MTE4526 Materials Engineering Project II
	MTE4571 Materials Engineering Design and Practice	MTE4596 Biomaterials II OR BMS Biomedical Elective
	MTE4572 Polymer and Composite Processing and Engineering	MTE4573 Processing and Engineering of Metals and Ceramics