679-BS Bachelor of Engineering (Biomedical)Biosignals

Year and Campus:	2008
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Contact:	-
Course Overview:	The course structure below represents the core content for the last three years of the BE (Biomedical Engineering) degree. All students should check that they are enrolled in the subjects listed, as appropriate to the stream of Biomedical Engineering that they have selected. For further information and up-to-date course advice, students should regularly check the Faculty of Engineering web page at http://www.bme.unimelb.edu.au. When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify these course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied.
Objectives:	-
Subject Options:	THERE WILL BE NO FIRST YEAR ENTRY INTO THIS COURSE FROM 2008.

Second Year

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
521-225 Integrated Biomedical Science	Not offered 2008	25
431-201 Engineering Analysis A	Semester 1	12.50
421-285 Bioengineering Systems Modelling 1	Semester 1	12.50

Semester 2

Subject	Study Period Commencement:	Credit Points:
536-225 Integrated Biomedical Science II	Not offered 2008	25
431-202 Engineering Analysis B	Summer, 1, 2	12.500

AND **one** of the following two subjects

Subject	Study Period Commencement:	Credit Points:
421-286 Bioengineering Systems Modelling 2	Semester 2	12.50
431-221 Fundamentals of Signals and Systems	Semester 2	12.50

Third Year

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
436-386 Biomaterials	Semester 1	12.50

431-330 Design Laboratory	Semester 1, Semester 2	12.50
431-324 Control 1 (Classical Control)	Semester 1	12.50
431-325 Stochastic Signals and Systems	Semester 1	12.50

Semester 2

Subject	Study Period Commencement:	Credit Points:
431-335 Signal Processing 1 (Fundamentals)	Semester 2	12.50
431-336 Neurons:From Action Potential to Learn'g	Semester 2	12.50
436-387 Cellular & Tissue Biomechanics	Semester 2	12.50

Elective (12.5 points)

Fourth Year

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
431-400 Project Work	Year Long	25
431-483 Neuroimaging Methods	Semester 1	12.50

Elective (12.5 points) - *Non-technical elective, 431-451 Project Management and Product Commercialisation or 436-284 Organisational Engineering.*

Elective (12.5 points) - *421-457 Modelling Pharmacokinetics and Dynamics recommended.*

Semester 2

Subject	Study Period Commencement:	Credit Points:
431-400 Project Work	Year Long	25
640-381 Principles and Applications of Sensors	Semester 2	12.50
421-449 Biomedical Design & Regulation	Semester 2	12.50
431-335 Signal Processing 1 (Fundamentals)	Semester 2	12.50

Core Participation Requirements:

For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability