BMEN90004 Advanced Neural Information Processing

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 24 hours of lectures Total Time Commitment: 120 hours
Prerequisites:	Enrolment in a research higher degree (Master by research or PhD) in Engineering.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Credit may not be obtained for both BMEN90004 and the following subject

Subject	Study Period Commencement:	Credit Points:
BMEN90002 Neural Information Processing	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 Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Assoc Prof David Grayden
Contact:	Email: **bmen-subjectenquiry@unimelb.edu.au (mailto:bmen-subjectenquiry@unimelb.edu.au)**
Subject Overview:	The subject will cover the relevant fundamentals and the way these fundamentals are applied in modern biomedical engineering.
Objectives:	See Subject Overview
Assessment:	Continuous assessment (100%).
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# Ability to apply knowledge of basic science and engineering fundamentals; # Ability to communicate effectively, not only with engineers but also with the community at large; # Ability to undertake problem identification, formulation and solution; # Ability to utilise a systems approach to design and operational performance; # Ability to function effectively as an individual and in multi-disciplinary teams, with the capacity to be a leader or manager as well as an effective team leader; # Understanding of the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development; # Understanding of professional and ethical responsibilities and commitment to them; # Capacity for independent critical thought, rational inquiry and self-directed learning profound respect for truth and intellectual integrity and for the ethics of scholarship.

Related Course(s):	Master of Philosophy - Engineering Ph.D.- Engineering