510-320 Advanced Medical Science 1

Credit Points:	50.00
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Students undertaking Advanced Medical Science are expected to be full-time students Total Time Commitment: Not available
Prerequisites:	Successful completion of 510-310 Defence Mechanisms and Their Failure and 510-311 Health Practice 5.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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
Coordinator:	Assoc Prof Steve Farish
Subject Overview:	Advanced Medical Science provides an introduction to the processes of research work in a field related to medicine, including critical appraisal of the literature, and aims to develop independent skills in research and an understanding of the place of research in medicine; to enhance oral and written communication skills; and to encourage further learning in areas of relevance to medicine. Students undertaking Advanced Medical Science 510-320/510-420 will be able to choose one double-semester topic from a range of units which will be published each year. Most units are at the University of Melbourne, some are at other prestigious institutes in Australia and overseas, and a limited number are student-initiated. Each unit will comprise a minimum of 50% research and the balance in coursework including research methods training.
Objectives:	The primary objective of the AMS year is for students to obtain experience in conducting biomedical research. In detail the objectives are to: # provide an introduction to the processes of research work in a field related to medicine, including critical appraisal of the literature. # enable development of skills in the ways in which knowledge (evidence) should be assembled and evaluated to provide a scientific rationale for updating medical practice and treatment. # develop skills in the use of simple statistical techniques when appraising health data. # foster an understanding of the benefits of research and the value of each health professional contributing to the advancement of knowledge. # encourage an understanding of the diversity and breadth of medicine. # encourage the development of autonomy and independence in defining areas for study, locating relevant resources and evaluating information. # enhance oral and written communication skills.

Assessment:	As specified for individual units in the Advanced Medical Science web site at http://www.medicine.unimelb.edu.au/ams. Successful completion of the research report is a hurdle requirement. Penalties apply for late submission of the research report. An initial penalty of 5% applies to any submission after the due date, and a further 1% for every additional day beyond three days late, unless an extension has been granted prior to the submission date.
Prescribed Texts:	None
Recommended Texts:	Information Not Available
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:	- Develop skills in research and critical appraisal of the literature; - Develop skills in using and evaluation evidence; - Increase the understanding and use of statistical techniques; - Perception of the benefits and value of research; - Encourage an understanding of diversity in medicine; - Encourage independence in defining areas for study; - Enhance oral and written communication skills; - Encourage learning in medically relevant areas.