MEDI90058 Applications of Echocardiography

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013. This subject will be taught off-campus (online) Course materials will be distributed via mail to students. Administration is via e-mail.
Time Commitment:	Contact Hours: Off Campus, Online Total Time Commitment: 120 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests 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/
Contact:	**Postal Address:** Cardiovascular Therapeutics Unit Department of Pharmacology University of Melbourne Parkville VICTORIA 3010 Telephone: +61 3 8344 5673 Fax: +61 3 8344 5193 **Email Address: echo-info@unimelb.edu.au (mailto:echo-info@unimelb.edu.au)**
Subject Overview:	This subject will identify the role of ultrasound and specific clinical situations relevant to perioperative and critical care practice. Topics include: 1 Clinical Applications- Persistent Hypotension 2 clinical applications-Acute Pulmonary Oedema 3 High-Speed Deceleration Injury 4 Unexplained Sepsis 5 Stroke 6 Echocardiography for Cardiac Transplant Surgery 7 pericardial Tamponade 8 Epiaortic Echocardiography
Objectives:	The completion of the subject, students should: 1 Understand multiple clinical applications such as persistent hypotension, acute pulmonary oedema, high-speed deceleration injury, and unexplained sepsis. 2 Understand echocardiography cardiac transplant surgery 3 Understand pericardial tamponade 4 Understand the effects of ventilation on echocardiography 5 Complete 20 case reviews.
Assessment:	1. 80% of assessment: one open- book multiple-choice examination consisting of 50 questions which are likely to include case study diagnoses and image interpretation and measurement. Students will have 1 week to complete the examination during the assessment period at the end of each semester. 2. 20% of assessment: completion of self assessment modules at the end of each tutorial, progressively through the semester. These are completed in the workbooks issued to students and it is a requirement that these workbooks are signed and returned for assessment.

Prescribed Texts:	Royse C, Donnan G, Royse A. Pocket Guide to Perioperative and Critical Care Echocardiography. 2006; McGraw-Hills
Recommended Texts:	Other materials will be provided as a package of readings, PowerPoint presentations and case studies.
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:	# Enhance time utilisation # Improve written skills and problem solving skill All students are expected to have access to a computer that can operate a Windows platform or simulation.
Links to further information:	http://www.heartweb.com.au/www/559/1001127/home--default.asp
Notes:	This subject is available to Part-time and full-time students. This subject is not available to Commonwealth Supported students. This subject is not available ad breadth. Administration is via e-mail.
Related Course(s):	Master of Clinical Ultrasound Postgraduate Diploma in Clinical Ultrasound