

MEDI90056 Advanced Anatomy and Doppler Analysis

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	<p>2016, Hawthorn</p> <p>This subject commences in the following study period/s: Semester 1, Hawthorn - Taught online/distance. Semester 2, Hawthorn - Taught online/distance.</p> <p>This subject will be taught off-campus (online) Course materials will be distributed via mail to students. Administration is via e-mail. The course is 1 semester full-time or 2 semesters part-time via distance education. A semester duration is 12 weeks. For students completing full-time there will be four subjects per semester, and for part-time, two subjects per semester. Subjects must be taken in sequence.</p>
Time Commitment:	Contact Hours: Off-campus, online Total Time Commitment: 170 hours per 12.5 credit point subject
Prerequisites:	To enrol in this subject, you must be admitted in Graduate Diploma in Clinical Ultrasound or Master of Clinical Ultrasound. This subject is not available for students admitted in any other courses.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p>For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this course are articulated in the Course Overview, Objectives 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 course are encouraged to discuss this matter with the Student Equity and Disability Support Team: http://www.services.unimelb.edu.au/disability/</p>
Coordinator:	Prof Colin Royse
Contact:	<p>Ultrasound Education Group</p> <p>Currently enrolled students:</p> <p># General information: http://www.commercial.unimelb.edu.au/pgdclinicalultrasound/ (http://www.commercial.unimelb.edu.au/pgdclinicalultrasound/)</p> <p># Email: support@heartweb.com (mailto:support@heartweb.com)</p> <p>Future students:</p> <p># Further information: http://www.heartweb.com.au/ (http://www.heartweb.com.au/)</p> <p># Email: support@heartweb.com (mailto:support@heartweb.com)</p> <p># Phone: +61 3 8344 5673</p>
Subject Overview:	<p>This subject will provide additional advanced material on anatomy and doppler analysis, which would not have been covered at the certificate level.</p> <p>Topics include:</p> <ol style="list-style-type: none"> 1 Role of Echocardiography in Perioperative and Critical Care Environments 2 Safety of Ultrasound and TOE 3 Cleaning and Disinfection of Ultrasound Probes 4 Anatomy-Coronary Vessels 5 Additional TOE Views and anatomical Variants

	6 Anatomy-Other Structures 7 Estimation of Intraventricular and PA Pressures 8 Normal Doppler Values 9 Calculations Workshop 10 Principles of PISA 11 Paediatric and Obstetric Conditions
Learning Outcomes:	The completion of the subject, students should: <ol style="list-style-type: none"> 1 Understand the role of echocardiography in perioperative and critical care environments 2 Understand the safety of ultrasound and transoesophageal echocardiography 3 Understand cleaning and disinfection of probes 4 Understand the anatomy of coronary vessels 5 Understand additional views and anatomical variants 6 Estimate intra-ventricular and pulmonary artery pressures 7 Understand principles of PISA 8 Understand paediatric and obstetric conditions 9 Review 20 echocardiography studies
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
Notes:	This subject will be available to part-time and full-time students This subject is not available to Commonwealth Supported students This subject is not available as breadth Administration is via e-mail.
Related Course(s):	Graduate Diploma in Clinical Ultrasound Master of Clinical Ultrasound Postgraduate Diploma in Clinical Ultrasound