

MEDI90047 Congenital,Obsetric& Medical Conditions

Credit Points:	12.5																	
Level:	9 (Graduate/Postgraduate)																	
Dates & Locations:	2016, Hawthorn This subject commences in the following study period/s: Semester 1, Hawthorn - Taught online/distance. Semester 2, Hawthorn - Taught online/distance. 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.																	
Time Commitment:	Contact Hours: An estimated 30 hours of contact time for online study is required Total Time Commitment: 170 hours per 12.5 credit point subject																	
Prerequisites:	<table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>MEDI90056 Advanced Anatomy and Doppler Analysis</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>MEDI90057 Advanced Valve and Aortic Pathology</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>MEDI90058 Applications of Echocardiography</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>MEDI90059 Advanced Echocardiography Interpretation</td><td>Semester 1, Semester 2</td><td>12.50</td></tr></table>			Subject	Study Period Commencement:	Credit Points:	MEDI90056 Advanced Anatomy and Doppler Analysis	Semester 1, Semester 2	12.50	MEDI90057 Advanced Valve and Aortic Pathology	Semester 1, Semester 2	12.50	MEDI90058 Applications of Echocardiography	Semester 1, Semester 2	12.50	MEDI90059 Advanced Echocardiography Interpretation	Semester 1, Semester 2	12.50
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Corequisites:	Nil																	
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 (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/																	
Contact:	Ultrasound Education Group Currently enrolled students: # General information: http://www.commercial.unimelb.edu.au/mclinicalultrasound/ (http://www.commercial.unimelb.edu.au/mclinicalultrasound/) # Email: support@heartweb.com (mailto:support@heartweb.com) Future students: # Further information: http://www.heartweb.com.au/ (http://www.heartweb.com.au/) # Email: support@heartweb.com (mailto:support@heartweb.com) # Phone: +61 3 8344 5673																	
Subject Overview:	This subject will provide advanced knowledge for echocardiography interpretation in patients with adult congenital, obstetric, and unusual medical conditions.																	

	<p>Topics include:</p> <ol style="list-style-type: none"> 1 Transthoracic echocardiography in children 2 Atrial defects 3 Ventricular defects 4 Valvular defects 5 Defects of the great vessels 6 Congenital defects that present in adults 7 Assessment of congenital defects after surgery 8 Case reports - 25 cases
Learning Outcomes:	<p>The completion of the subject, students should:</p> <ol style="list-style-type: none"> 1 Learn about adult congenital heart disease and echocardiography evaluation 2 Understand the management of adult congenital heart disease 3 Understand the effect of pregnancy on the cardiovascular system 4 Learn how pregnancy affect cardiac disease 5 Learn echocardiography features of severe pre-eclampsia 6 Understand the approach of incorporating ultrasound into the assessment of post-delivery cardiovascular emergencies 7 Learn the pathology and echocardiography features of cardiomyopathy 8 Learned the power quality and echocardiography features of cardiac tumours 9 Understand how to differentiate pericardial disease states 10 Learn the cardiac pathology and echocardiography interpretation associated with systemic disease states 11 Interpret 25 case studies.
Assessment:	<p>1. 50% of assessment: one open-book multiple-choice examination of 50 questions which takes 100 minutes, during exam week 2. 20% of assessment: completion of multiple choice questions following each tutorial (10 MCQ takes 20 minutes for each of 10 tutorials (200 minutes total) 3. 30% Case studies. Interpretation of 25 case studies, during semester, assessed by structured questions pertaining to each case (5 MCQ per case). Total time is 250 minutes.</p>
Prescribed Texts:	All course materials will be provided during the course
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:	<ul style="list-style-type: none"> # Improve critical evaluation skills # Evaluate the safety and practice of ultrasound in clinical practice # Improve problem solving skills # Improve understanding of diagnostic algorithms # Enhance information literacy
Links to further information:	http://www.heartweb.com.au
Notes:	<p>This subject is available to part-time and full-time students.</p> <p>This subject is not available to Commonwealth Supported students.</p> <p>This subject is not available as breadth.</p> <p>Administration is via e-mail.</p>
Related Course(s):	Master of Clinical Ultrasound