

# MC-CU Master of Clinical Ultrasound

<b>Year and Campus:</b>	2010 - Hawthorn																						
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>																						
<b>Level:</b>	Graduate/Postgraduate																						
<b>Duration &amp; Credit Points:</b>	150 credit points taken over 18 months full time. This course is available as full or part time.																						
<b>Coordinator:</b>	Associate Professor Colin Royse and Associate Professor Alistair Royse																						
<b>Contact:</b>	<p><b>Postal Address:</b>            Cardiovascular Therapeutics Unit            Department of Pharmacology            University of Melbourne            Parkville VICTORIA 3010            Telephone: +61 3 8344 5673            Fax: +61 3 8344 5193  <b>Email Address:</b> <a href="mailto:echo-info@unimelb.edu.au">echo-info@unimelb.edu.au</a> (<a href="mailto:echo-info@unimelb.edu.au">mailto:echo-info@unimelb.edu.au</a>)</p> <p>Please send applications via post only and ensure all accompany documents are certified copies of the original.</p>																						
<b>Course Overview:</b>	<p>This distance program will be offered to practicing medical professionals who wish to obtain further expertise in medical ultrasound for clinical practice. It is part of the nested program of courses related to the use of clinical Ultrasound. It also includes the Postgraduate Certificate and Postgraduate Diploma in Clinical Ultrasound (which will be a pre-requisites). The course is designed to provide the knowledge-base necessary for diagnostic-level performance of echocardiography and interpretation; surface ultrasound uses such as ultrasound guided procedures and nerve blocks; and other medical specialist specific ultrasound applications such as vascular ultrasound examination. The aim is to provide advanced knowledge to specialist craft groups to facilitate use of ultrasound relevant to their specialty.</p>																						
<b>Objectives:</b>	<p>At the end of this course is a student will have:</p> <ol style="list-style-type: none"> <li>1. To provide the knowledge base to become competent at an advanced level of echocardiography</li> <li>2. To provide the knowledge base to become competent in the additional imaging techniques and modalities</li> </ol>																						
<b>Course Structure &amp; Available Subjects:</b>	<p>To satisfy the requirements of the Master of Clinical Ultrasound must successfully complete a total of 150 points. Along the way they can complete the Postgraduate Certificate and Postgraduate Diploma in Clinical Ultrasound.</p>																						
<b>Subject Options:</b>	<p><b>1. Core Subjects</b>            These subjects will be completed as part of the PG Certificate in Clinical Ultrasound</p> <table border="1"> <thead> <tr> <th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr> </thead> <tbody> <tr> <td>MEDI90049 Principles of Ultrasound Heart Scan</td><td>Semester 1, Semester 2</td><td>12.50</td></tr> <tr> <td>MEDI90054 Ultrasound Guided Procedures</td><td>Semester 1, Semester 2</td><td>12.50</td></tr> <tr> <td>MEDI90050 Doppler Echocardiography</td><td>Semester 1, Semester 2</td><td>12.50</td></tr> <tr> <td>MEDI90051 Ventricular Function</td><td>Semester 1, Semester 2</td><td>12.50</td></tr> </tbody> </table> <p><b>2. Core Subjects</b>            These subjects will be completed as part of the PG Diploma in Clinical Ultrasound</p> <table border="1"> <thead> <tr> <th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr> </thead> <tbody> <tr> <td>MEDI90056 Advanced Anatomy and Doppler Analysis</td><td>Semester 1</td><td>12.50</td></tr> </tbody> </table>		Subject	Study Period Commencement:	Credit Points:	MEDI90049 Principles of Ultrasound Heart Scan	Semester 1, Semester 2	12.50	MEDI90054 Ultrasound Guided Procedures	Semester 1, Semester 2	12.50	MEDI90050 Doppler Echocardiography	Semester 1, Semester 2	12.50	MEDI90051 Ventricular Function	Semester 1, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	MEDI90056 Advanced Anatomy and Doppler Analysis	Semester 1	12.50
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	MEDI90057 Advanced Valve and Aortic Pathology	Semester 1	12.50
	MEDI90058 Applications of Echocardiography	Semester 1	12.50
	MEDI90059 Advanced Echocardiography Interpretation	Semester 1	12.50
	<b>3. Core Subjects</b> These subjects will be completed as part of the Master of Clinical Ultrasound.		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	360-884 Advanced Physics for Ultrasound	Not offered 2010	12.50
	360-885 E-Dimensional Echocardiography	Not offered 2010	12.50
	360-886 Paediatric and Congenital Heart Disease	Not offered 2010	12.50
	360-887 Advanced Case Studies in Interpretation	Not offered 2010	12.50
<b>Entry Requirements:</b>	1. Applicants must possess undergraduate qualifications sufficient to practice as a medical practitioner, such as MBBS or equivalent degrees, as a minimum entry requirement. 2. Applicants must have completed the Postgraduate Diploma of Clinical Ultrasound, or the Postgraduate Diploma of Perioperative and Critical Care Echocardiography.		
<b>Core Participation Requirements:</b>	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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>		
<b>Further Study:</b>	None		
<b>Graduate Attributes:</b>	The Master in Clinical Ultrasound selects students who have extensive priorknowledge of medicine, and the pathophysiology and treatment options relevant to the use ofmedical ultrasound. Following completion of the course, the graduates will have adiagnosticlevelunderstanding for echocardiography including transoesophageal echocardiography.They will have acquired additional knowledge within their discipline, and will be familiar withmethods of applying ultrasound related knowledge in their clinical practice. There will be a highconsistency of knowledge between students within each craft group or discipline. Interactivetutorials and case reviews will allow students to articulate their knowledge and test the capabilityfor independent critical thought. By the end of the course, there will be testing of interpretationand problem-solving skills.		
<b>Professional Accreditation:</b>	None		
<b>Generic Skills:</b>	Students will: <ul style="list-style-type: none"> <li># Enhance time utilisation</li> <li># Improve written skills and problem solving skill</li> </ul>		
<b>Links to further information:</b>	<a href="http://www.heartweb.com.au/www/559/1001127/displayarticle/pgcert-dip-mast-inclinicalultrasound--">http://www.heartweb.com.au/www/559/1001127/displayarticle/pgcert-dip-mast-inclinicalultrasound--</a>		