

## MEDI90054 Ultrasound Guided Procedures

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	This subject is not offered in 2014. Off campus (online) Course materials will be distributed via mail to students.
<b>Time Commitment:</b>	Contact Hours: Off-campus (online) delivery Total Time Commitment: 120 hours
<b>Prerequisites:</b>	To enrol in this subject, you must be admitted in either the Post Graduate Certificate or Post Graduate Diploma in Clinical Ultrasound. This subject is not available for students admitted in any other courses.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<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>Contact:</b>	<p>The University of Melbourne          Ultrasound Education Group          Department of Surgery          Level 6          Centre for Medical Research          The Royal Melbourne Hospital          Parkville, VIC 3050          Telephone: +61 3 8344 5673          Fax: +61 3 8344 5193          Email : <a href="mailto:echo-info@unimelb.edu.au">echo-info@unimelb.edu.au</a>          Website : <a href="http://www.heartweb.com.au">www.heartweb.com.au</a> (<a href="http://www.heartweb.com.au">www.heartweb.com.au</a>)</p>
<b>Subject Overview:</b>	<p>This subject will outline the technique of using ultrasound to guide percutaneous procedures. Procedures will include vessel access, nerve blocks, and trauma related procedures. There will be an elective of either "Nerve Blocks" or "Critical Care Procedures".</p> <p>Topics include:</p> <ol style="list-style-type: none"> <li>1 Ultrasound Guided Vascular Access</li> <li>2 Nerve Blocks-Upper Limb</li> <li>3 Nerve Locks-Lower Limb</li> <li>4 Nerve Blocks-Peripheral Nerves</li> <li>5 Nerve Blocks-Abdominal and Thoracic</li> <li>6 Focused Abdominal Scan in Trauma</li> <li>7 Additional Ultrasound in Trauma</li> <li>8 Assessment of Flow and Stenosis in Vessels</li> <li>9 Critical Care Procedures</li> </ol>
<b>Learning Outcomes:</b>	<p>The completion of the subject, students should:</p> <ol style="list-style-type: none"> <li>1 Understand the approaches and techniques of ultrasound guided percutaneous procedures.</li> </ol>

	<p>2 Understand ultrasound guided Vascular access</p> <p>3 Understand ultrasound guided procedures used in trauma</p> <p><b>Elective 1</b></p> <p>a) Understand ultrasound guided upper limb nerve blocks</p> <p>b) Understand ultrasound guided lower limb nerve blocks</p> <p>c) Understand ultrasound guided abdominal and thoracic nerve blocks</p> <p>d) Understand ultrasound guided deep cervical plexus and peripheral nerve blocks</p> <p><b>Elective 2</b></p> <p>a) Basic assessment of cerebral blood flow</p> <p>b) Basic DVT assessment</p> <p>c) Additional procedures in Trauma</p> <p>d) Ultrasound guided airway management</p>
<b>Assessment:</b>	<p>1. 80% of assessment: one open- book multiple-choice examination consisting of 50 questions. Students will have 1 week to complete the examination during the assessment period at the end of the 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.</p>
<b>Prescribed Texts:</b>	<p>Royse C, Donnan G, Royse A. Pocket Guide to Perioperative and Critical Care Echocardiography. 2006; McGraw-Hills</p>
<b>Recommended Texts:</b>	<p>Other materials will be provided as a package of readings, PowerPoint presentations and case studies.</p>
<b>Breadth Options:</b>	<p>This subject is not available as a breadth subject.</p>
<b>Fees Information:</b>	<p>Subject EFTSL, Level, Discipline &amp; Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a></p>
<b>Generic Skills:</b>	<p># Enhance time utilisation</p> <p># Improve written skills and problem solving skill</p> <p>All students are expected to have access to a computer that can operate a Windows platform or simulation.</p>
<b>Links to further information:</b>	<p><a href="http://www.heartweb.com.au">http://www.heartweb.com.au</a></p>
<b>Related Course(s):</b>	<p>Master of Clinical Ultrasound</p> <p>Postgraduate Certificate in Clinical Ultrasound</p> <p>Postgraduate Diploma in Clinical Ultrasound</p>