

## PHRM90018 Applications of Echocardiography in PCCM

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. Off campus
<b>Time Commitment:</b>	Contact Hours: n/a Total Time Commitment: It is estimated that distance education students will be required to spend approximately 120 hours through a combination of studying course materials, reading nominated texts, journal review, practice worksheets, assessment assignments, and in identifying and integrating the information within their clinical practice.
<b>Prerequisites:</b>	Nil
<b>Corequisites:</b>	Nil
<b>Recommended Background Knowledge:</b>	Nil
<b>Non Allowed Subjects:</b>	Nil
<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>	Melbourne Consulting and Custom Programs Level 3, 442 Auburn Rd Hawthorn Phone: 9810 3300 Email: <a href="mailto:mccp.enquiries@mccp.unimelb.edu.au">mccp.enquiries@mccp.unimelb.edu.au</a> (mailto:mccp.enquiries@mccp.unimelb.edu.au)
<b>Subject Overview:</b>	<b>This course is no longer taking new enrolments. The last intake into this program was Semester 2, 2009.</b>  This subject will examine the risks and benefits of echocardiography in perioperative medicine. The use of echocardiography within disciplines of perioperative medicine will be outlined in great detail. Uses in cardiac surgery, trauma, vascular surgery, other non-cardiac surgery, and in intensive care will be illustrated using a case scenario approach. The identification of the basic haemodynamic state, and hybrids of haemodynamic abnormality will be explored in great detail. Pericardial disease and assessment of tamponade will be included in the subject.
<b>Objectives:</b>	<ul style="list-style-type: none"> <li>• Subject Objectives: <ul style="list-style-type: none"> <li>o on completion of this subject, students should;</li> <li>o appreciate the risks and benefits of echocardiography in perioperative medicine</li> <li>o understand applications of echocardiography within the disciplines of cardiac surgery, trauma, vascular surgery, non-cardiac surgery, in emergency medicine, and in intensive care.</li> <li>o Integrated knowledge from previous subjects evaluating real-life case scenario within the fields of perioperative medicine.</li> <li>o Identify the haemodynamic state during case scenarios, and identify hybrids of abnormality.</li> <li>o Understand and assess conditions causing pericardial constraint and tamponade</li> </ul> </li> </ul>
<b>Assessment:</b>	Open book multiple choice question exam 50 questions per subject (80%). Self assessment modules in the workbooks (20%). The University reserves the right to review these worksheets if there are any doubts about the authenticity of the students work, or to monitor student progress.

<b>Prescribed Texts:</b>	o Sidebotham D, Merry A, Legget M. Practical perioperative transoesophageal echocardiography. Butterwoth Heinemann.o George L and colleagues. West Mead anaesthetic department transoesophageal echocardiography training manual.
<b>Recommended Texts:</b>	Other materials will be provided as a package of readings, PowerPoint presentations, case studies and assessment tasks
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>Generic Skills:</b>	<p>This subject encompasses particular generic skills. On completion of the subject, students should be able to:</p> <ul style="list-style-type: none"> <li># Integrate knowledge from previous subjects and from scientific literature evaluation to identify and understand applications of echocardiography in clinical practice.</li> <li># Improve their capacity to manage competing demands on time, and professional focus in clinical practice. How to manage the constraints of providing anaesthesia or specialised care to critically ill patients, yet at the same time providing advanced diagnostic information with echocardiography.</li> <li># Improve "thinking skills" when considering new approaches haemodynamic evaluation in critically ill patients.</li> </ul>
<b>Links to further information:</b>	<a href="http://www.pharmacology.unimelb.edu.au/echocourse/">http://www.pharmacology.unimelb.edu.au/echocourse/</a>
<b>Related Course(s):</b>	Postgraduate Diploma in Perioperative and Critical Care Echocardiography