

## PD-CU Postgraduate Diploma in Clinical Ultrasound

| <b>Year and Campus:</b>                           | 2012 - 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>              | 100 credit points taken over 12 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><br/>           Department of Pharmacology<br/>           University of Melbourne<br/>           Parkville VICTORIA 3010<br/>           Telephone: +61 3 8344 5673<br/>           Fax: +61 3 8344 5193<br/> <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>  |                |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| <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> | To satisfy the requirements of the Postgraduate Diploma of Clinical Ultrasound must successfully complete a total of 100 points. Along the way they can complete the Postgraduate Certificate.   |                |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| <b>Subject Options:</b>                           | <p><b>1. Core Subjects</b></p> <p>These subjects will be completed as part of the PG Cert 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>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> <tr> <td>MEDI90054 Ultrasound Guided Procedures</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p><b>2. Core Subjects</b></p> <p>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, 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> </tbody> </table> |                |  | Subject | Study Period Commencement: | Credit Points: | MEDI90049 Principles of Ultrasound Heart Scan | Semester 1, Semester 2 | 12.50 | MEDI90050 Doppler Echocardiography | Semester 1, Semester 2 | 12.50 | MEDI90051 Ventricular Function | Semester 1, Semester 2 | 12.50 | MEDI90054 Ultrasound Guided Procedures | Semester 1, Semester 2 | 12.50 | 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 |
| Subject   | Study Period Commencement:   | Credit Points: |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| MEDI90049 Principles of Ultrasound Heart Scan     | Semester 1, Semester 2   | 12.50          |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| MEDI90050 Doppler Echocardiography                | Semester 1, Semester 2   | 12.50          |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| MEDI90051 Ventricular Function                    | Semester 1, Semester 2   | 12.50          |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| MEDI90054 Ultrasound Guided Procedures            | Semester 1, Semester 2   | 12.50          |  |         |                            |                |   |                        |       |                                    |                        |       |                                |                        |       |  |                        |       |         |                            |                |   |                        |       |   |                        |       |
| 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 |
| <b>Entry Requirements:</b>              | <p>1. Applicants must possess undergraduate qualifications sufficient to practice as a medical practitioner, such as MBBS or equivalent degrees, as a minimum entry requirement.</p> <p>2. Applicants must have completed the Postgraduate Certificate of Clinical Ultrasound.</p>  |                        |       |
| <b>Core Participation Requirements:</b> | <p>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></p>  |                        |       |
| <b>Further Study:</b>                   | Students can articulate to the Master of Clinical Ultrasound  |                        |       |
| <b>Graduate Attributes:</b>             | <p>The Postgraduate diploma in Clinical Ultrasound selects students who have extensive prior knowledge of medicine, and the pathophysiology and treatment options relevant to the use of medical ultrasound. Following completion of the course, the graduates will have a diagnostic level understanding for echocardiography including transoesophageal echocardiography. They will have acquired additional knowledge within their discipline, and will be familiar with methods of applying ultrasound related knowledge in their clinical practice. There will be a high consistency of knowledge between students within each craft group or discipline. Interactive tutorials and case reviews will allow students to articulate their knowledge and test the capability for independent critical thought. By the end of the course, there will be testing of interpretation and problem-solving skills.</p> |                        |       |
| <b>Professional Accreditation:</b>      | None  |                        |       |
| <b>Generic Skills:</b>                  | <p>Students will:</p> <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-in-clinicalultrasound--">http://www.heartweb.com.au/www/559/1001127/displayarticle/pgcert-dip-mast-in-clinicalultrasound--</a>   |                        |       |