PHRM90016 Ventricular Systolic &Diastolic Function

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. Distance
Time Commitment:	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.
Prerequisites:	Nil
Corequisites:	Nil
Recommended Background Knowledge:	Nil
Non Allowed Subjects:	Nil
Core Participation Requirements:	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: http://www.services.unimelb.edu.au/disability/
Contact:	Melbourne Consulting and Custom Programs Level 3, 442 Auburn Rd Hawthorn VIC 3122 Email: **mccp.enquiries@mccp.unimelb.edu.au (mailto:mccp.enquiries@mccp.unimelb.edu.au)**
Subject Overview:	**This course is no longer taking new enrolments. The last intake into this program was Semester 2, 2009.** This subject will focus on the evaluation of both left and right ventricular function. Both qualitative and quantitative methods of evaluation will be taught. Evaluation of ventricular function will be divided into systolic and diastolic phases. The interaction between ventricular and vascular function will be explored. Pathophysiology of systolic and diastolic, and right ventricular function will be taught at both the microscopic and microscopic levels. The evaluation of ventricular function will be developed in context with the "basic haemodynamic state", and related to its application in perioperative medicine.
Objectives:	• Subject Objectives: o on completion of this subject, students should; o understand qualitative and quantitative methods of assessment o understand the differences between left and right ventricular function o understand the interdependence of ventricular function, and the influence of surrounding structures on cardiac function o learn normal values for quantitative measurements o learn pathophysiology of systolic and diastolic abnormalities o understand methods of quantifying and diastolic function, and their limitations o understand common congenital conditions that may impair cardiac function o understand how abnormalities in systolic and diastolic function can be managed in clinical practice within perioperative medicine.

Assessment:	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.
Prescribed Texts:	Nil
Recommended Texts:	Students will be provided with educational material via post
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:	This subject encompasses particular generic skills. On completion of the subject, students should be able to: # Critically evaluate scientific literature, especially in the relatively new specialist areas such as diastolic function. # Evolve new concepts of how to manage clinical problems based on the new knowledge obtained in the subject. # Improve written skills to describe specific pathophysiological cardiovascular abnormalities.
Links to further information:	http://www.pharmacology.unimelb.edu.au/echocourse/
Related Course(s):	Postgraduate Diploma in Perioperative and Critical Care Echocardiography