513-663 Acute Cardiorespiratory Practice

Credit Points 12.5
Semester 1
Prerequisites For Postgraduate Certificate – 513 699 Physiotherapy Professional Portfolio
Corequisites For Master by Coursework - 513 662 Cardiorespiratory Science
Coordinator Dr Linda Denehy
Contact 20 hours of lectures and seminars, 40 hours of clinical workshops
Non Contact Requirement Students are expected to undertake a number of hours of self directed learning in this subject. Approximately 50 hours of self directed learning is suggested.

Description This subject is designed to build on existing theoretical knowledge in the areas of acute cardiothoracic pathophysiology, diagnostic and investigative procedures and physiotherapy techniques used in the management of acute complex patients. Current management issues in the areas of adult, paediatric and neonatal critical care, major surgery and complex medical patients will be covered. Evaluation of current clinical practice and the reliability and validity of cardiothoracic outcome measures used in the acute care area will be explored. In addition, practical and equipment based skills will be extended, including non-invasive ventilation. Students will have the opportunity to practice these both at the School and in the clinical setting.

Assessment Written assignment 2000 words (30%), oral presentations totalling (30%), skills examinations totalling (40%). Students must gain a pass in both the clinical and theoretical components in order to pass the subject.

Prescribed Texts Nil

Subject Objectives
Generic Skills:
On completion of the subject, students will be expected to be able to demonstrate the following generic skills:

- The ability to evaluate and synthesise research and professional literature and apply this information
- A capacity to articulate knowledge and understanding in oral and written presentations at an appropriate level
- Where appropriate, advanced working skills and receptiveness in the use of new technologies
- An appreciation of the ways in which advanced knowledge may equip professionals to offer leadership

Specific Skills:
On completion of the subject, students will be expected to be able to demonstrate the following specific skills:

- An advanced understanding of the changing knowledge base in cardiothoracic physiotherapy, and the international context and sensitivities of the area
- Well-developed problem-solving abilities in both the clinical and the theoretical aspects of cardiothoracic
- Descriptions of recent advances in acute respiratory and critical care medicine and cardiothoracic surgery and the current investigative and diagnostic approaches used in these areas
- Opportunities to develop specialised assessment, diagnostic and management skills for the appraisal of patients with acute and complex cardiothoracic pathologies, including neonates, paediatrics and the aged
- Discussion of current approaches for the treatment/management of specific acute and complex conditions.
- Opportunities to investigate methods of evaluation of patient progress and outcome including clinical assessment tools and application of research findings.