About the subject
Applied Pathophysiology (NURS90076) is a 12.5 point subject with an expected time commitment of 170 hours of study. The subject is delivered fully online and is a core subject in suite of specialist nursing programs offered by the University of Melbourne. It is also available as a single subject option. It equips learners with the knowledge and skills required to explain assessment data and prioritise patient care in a specialty area of practice based on scientific principles.

Core pathophysiological concepts covered include: cellular responses to stress; adaptation, injury and death; acute and chronic inflammation; tissue renewal and repair; infection; neoplasia; haemodynamic, genetic and immune system disorders and genetic predisposition to disease.

Using a case study based approach, learners are provided with opportunities to apply their knowledge in one or more of the following specialty areas of nursing practice.
- Paediatrics
- Paediatric Intensive Care
- Neonatal Intensive Care
- Critical Care
- Emergency Care
- Rural Critical Care
- Cancer and Palliative Care

Who should apply?
This course is suitable for Registered Nurses who are seeking to improve their knowledge of pathophysiology as applied to a chosen area of specialty nursing practice including emergency and critical care areas, paediatrics and cancer and palliative care.

Enrolling in Applied Pathophysiology as a single subject provides registered nurses with the opportunity to:
- Undertake a unit of study in preparation for entering specialty practice.
- Update existing knowledge of applied pathophysiology relevant to a specialty area of nursing practice.

Pathway to Study
Applied Pathophysiology is a core subject within the Graduate Certificate in Nursing Practice. Students that successfully complete this subject and associated assessment may be eligible for credit into the Graduate Certificate in Nursing Practice.

Credit into the Graduate Certificate in Nursing Practice is dependent on:
- Meeting the course entry requirements
- Subject equivalence at the time credit is sought

“In completing this course, I have gained a comprehensive understanding of the pathological basis of many disease processes that may manifest across the lifespan. I have been able to apply my learning to the clinical environment, thus improving patient management. The course content was detailed, well researched and contemporary. Staff were extremely helpful, and were always prompt in answering any questions.”

— Joanne Warren

nursing.unimelb.edu.au
NURS90076 Applied Pathophysiology is taught twice a year during Semester 1 & Semester 2.

Pathways from Specialist to Advanced Nursing Practice

**Graduate Certificate in Nursing Practice** (one of 7 specialties)

- Paediatrics
- Paediatric Intensive Care
- Neonatal Intensive Care
- Critical Care
- Emergency
- Rural Critical Care
- Cancer & Palliative Care

**Master of Advanced Nursing Practice**

**Entry Requirements**
- a Bachelor of Nursing, Master of Nursing Science, or equivalent qualification
- at least one year of documented clinical experience within the past five years in an acute care setting
- meet the University of Melbourne’s English language requirements

**Coursework**
Ideal if you want to develop advanced practice skills and knowledge, and prepare for leadership roles in practice and education, and extended clinical roles.

**Minor Thesis**
Ideal if you want to focus on critically analysing practice, identifying sociopolitical influences that impact on practice, developing and implementing new and innovative practice roles or educational programs, investigating and applying approaches for evaluating programs or developing and/or implementing research based policy.

Please visit [http://nursing.unimelb.edu.au](http://nursing.unimelb.edu.au) for full details on Masters pathway, subjects and key dates.

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