



Melbourne School of Health Sciences Department of Nursing



Applied Pathophysiology

About the subject

Delivered wholly online, Applied Pathophysiology is a core subject in a suite of specialist nursing courses offered by the University of Melbourne. It will equip you 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, respiratory and immune system disorders and genetic predisposition to disease.

Using a case study based approach, you will be provided with opportunities to apply your knowledge in one or more of the following specialty areas of nursing practice:

- Paediatrics
- Paediatric Intensive Care
- Neonatal Intensive Care
- Intensive Care
- Emergency Care
- Rural Critical Care
- Cancer and Palliative Care
- Cardiorespiratory
- Renal.

Who should apply?

This course is suitable for registered nurses who are seeking to improve their knowledge of pathophysiology as it applies to clinical practice in the care of patients in general and specialist areas such as emergency and critical care, 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 and can also be taken on its own as a single subject. Students that successfully complete this subject and associated assessment may be eligible for credit into any one of the Graduate Certificates in Nursing practice.

Credit into a Graduate Certificate in Nursing Practice is dependent on meeting the course entry requirements.

"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, student.

mdhs.unimelb.edu.au/nursing

Pathways from Specialist to Advanced Nursing Practice

Applied Pathophysiology

This subject is a compulsory subject for the Graduate Certificate in Nursing Practice. It may also be completed as a single subject.

Specialist Certificate in Neonatal Care

Graduate Certificate in Nursing Practice (one of nine specialties)

Neonatal Intensive Care

Paediatrics

Paediatrics Intensive Care

Intensive Care

Emergency

Rural Critical Care

Cancer & Palliative Care

Cardiorespiratory

Renal

Master of Advanced Nursing Practice

Entry requirements

- A Bachelor of Nursing, Master of Nursing Science, or equivalent qualification
- Current unrestricted registration with the Australian Health Practitioner Regulation Agency (AHPRA)
- 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.

Master of Advanced Nursing Practice (Nursing Practitioner)

Entry requirements

- Current unrestricted registration with the Australian Health Practitioner Regulation Agency (AHPRA)
- A minimum of five years full time equivalent experience as a Registered Nurse in a specialty area of practice and one year at an advanced practice level in the relevant specialty area
- A Graduate Certificate, or higher (eg. Graduate Diploma, Masters), in an area of specialty nursing practice
- Documentation of employer support and multidisciplinary mentorship arrangements necessary to undertake extensions to practice in the workplace or related agencies.

Please note, this course is accredited by ANMAC.

Contact details and key dates

Applied Pathophysiology is offered in Term 1 (January) and Term 3 (July). For additional key dates as well as full details on Masters pathway and subjects, go to mdhs.unimelb.edu.au/nursing

To contact someone from our student support team, call +61 3 8344 0149 (8am-9pm AEST Mon-Fri and 10am-5pm AEST Sat-Sun), or email us at study-online@unimelb.edu.au



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