

NURS90076 Applied Pathophysiology

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught online/distance. Winter Term, Parkville - Taught online/distance.
Time Commitment:	Contact Hours: 36 hours Total Time Commitment: 170 hours
Prerequisites:	To enrol in this subject, you must be admitted in one of the Graduate Certificate in Nursing Practice courses or as a single subject study. This subject is not available for students admitted in any other courses. Please contact the School of Melbourne Custom Programs for more information.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Overview, Objectives, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Coordinator:	Assoc Prof Marie Gerdtz
Contact:	The School of Melbourne Custom Programs The University of Melbourne T: +61 3 9810 3388 E: nursing@commercial.unimelb.edu.au (mailto:nursing@commercial.unimelb.edu.au)
Subject Overview:	<p>This subject provides a foundation for understanding the pathologic basis of disease across the lifespan.</p> <p>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.</p> <p>Core pathophysiological concepts covered will 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.</p> <p>Using a case study based approach, learners will be provided with opportunities to apply their knowledge in one or more of the following specialty areas of nursing practice.</p> <ul style="list-style-type: none"> • Paediatrics • Paediatric Intensive Care • Neonatal Intensive Care • Critical Care • Emergency Care • Rural Critical Care • Oncology and Palliative Care

Learning Outcomes:	<ol style="list-style-type: none"> 1. Discuss the influence of heredity, environment and age on core pathophysiological concepts and consider implications for assessment and planning patient care. 2. Identify deviations in normal physiological parameters and discuss the evidence regarding their effect on patient outcomes. 3. Apply core pathophysiological concepts to understand assessment data and prioritise care. 4. Interpret physiological data in the context of pathophysiology and identify implications for monitoring health status and delivering evidence-based nursing interventions. 5. Consider how different pathophysiological.
Assessment:	Written assignment (2000 words) Due week 5 - 40% 10 online quizzes (15 minutes each (weekly) - 60%
Prescribed Texts:	Kumar V., Abbas A.K., Fausto N., Aster J.C. (2014). Robbins and Cotran Pathologic Basis of Disease Ninth Edition. Elsevier. Philadelphia.
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:	<p>At the completion of this subject, students should be able to demonstrate:</p> <ul style="list-style-type: none"> • the capacity for information seeking, retrieval and evaluation; • critical thinking and analytical skills; • an openness to new ideas; • the ability to communicate knowledge through web based activities. • the ability to apply scientific principles to case studies;
Links to further information:	http://www.commercial.unimelb.edu.au/pathophysio/
Related Course(s):	<p>Graduate Certificate in Nursing Practice (Cancer and Palliative Care) Graduate Certificate in Nursing Practice (Critical Care) Graduate Certificate in Nursing Practice (Emergency) Graduate Certificate in Nursing Practice (Neonatal Intensive Care) Graduate Certificate in Nursing Practice (Paediatric Intensive Care) Graduate Certificate in Nursing Practice (Paediatrics) Graduate Certificate in Nursing Practice (Rural Critical Care)</p>