

534-501 Pharmacology and Therapeutics II

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 36 Total Time Commitment: Not available
Prerequisites:	na
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>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 Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>
Coordinator:	Dr Graham Mackay
Subject Overview:	<p>This subject extends the students' knowledge of the fundamental pharmacological principles of medication management, which can be adopted and utilized in the advanced practice setting. Students will use the foundational knowledge of pharmacokinetics, pharmacodynamics, and therapeutics, in order to critically analyze how medications affect physiological, biochemical and pathophysiological processes. With a greater appreciation of the action of drugs on body processes, students will be able to determine which medications should be administered to particular patients in order to ensure therapeutic effects are optimized and adverse effects are minimized. Students will articulate the key pharmacological characteristics of drug classes, as well as be able to derive and understand the specific nuances of individual drugs. Through a series of advanced readings and self directed learning activities, students will be encouraged to work independently, and develop their capacity for information seeking, evaluation and retrieval. This focus will ensure that students use critical thinking and problem solving abilities to enable them to prescribe, administer, monitor and evaluate medications in a rational and effective manner. Please note that this subject is conducted through the Department of Pharmacology. Students who have undertaken the 'Pharmacology and Therapeutics' subject at a fourth year level are not eligible to take it at a 5th year level.</p>
Assessment:	Three 20-minute tests (25%).One three-hour examination (75%).
Prescribed Texts:	None
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:	<ul style="list-style-type: none"> # analyse critically the effects of drugs on body processes; # apply the concepts of pharmacokinetics to patients in the advanced practice setting; # apply the concepts of pharmacodynamics to patients in the advanced practice setting;

	<ul style="list-style-type: none"># use appropriate problem solving abilities in understanding the therapeutic and adverse effects, contraindications and precautions for medications;# critically evaluate the pharmacological characteristics of an individual drug based on information about the drug class;# demonstrate well developed problem-solving and critical thinking skills in applying pharmacology knowledge to advanced practice settings;# use problem solving skills in determining the most appropriate medication to prescribe a patient with complex health care needs;# critically appraise and challenge ideas regarding the application of pharmacology knowledge in the advanced practice setting;# use pharmacology knowledge as a vehicle for research and evidence based practice
Notes:	Level: 5th Year