# PHRM40002 Advanced Topics in Pharmacology

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| **Credit Points:** | 12.50 |
| **Level:** | 4 (Undergraduate) |
| **Dates & Locations:** | This subject is not offered in 2014. |
| **Time Commitment:** | Contact Hours: 24 Total Time Commitment: 120 hours |
| **Prerequisites:** | Students must be enrolled in the Bachelor of Biomedicine (Honours), Bachelor of Science (Honours) or MBiomedSci Pharmacology to complete this subject. |

| Subject | Study Period Commencement: | Credit Points: |
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| BIOM40001 Introduction To Biomedical Research | February | 12.50 |

**Corequisites:**

| Subject | Study Period Commencement: | Credit Points: |
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| PHRM40001 Pharmacology Research Project | Semester 1 | 25 |

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| **Recommended Background Knowledge:** | Pharmacology 300 level and related biomedical discipline. |
| **Non Allowed Subjects:** | None |
| **Core Participation Requirements:** | For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Equitable Adjustment Procedure (SEAP), 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 will 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/ |
| **Contact:** | Assoc Prof Ross Vlahos<br>**rossv@unimelb.edu.au (mailto:rossv@unimelb.edu.au)**<br>Administrative Coordinator<br>Ms Hong Nguyen<br>**biomedsci-academicservices@unimelb.edu.au (mailto:biomedsci-academicservices@unimelb.edu.au)** |
| **Subject Overview:** | The pharmacology coursework subject covers topics in analytical pharmacology, cutting edge research techniques in drug design and molecular pharmacology, and in evaluating mechanisms of drug action at the molecular level through to complex integrated systems. There will be tutorials on reading and evaluating scientific manuscripts, experimental design and statistical approaches. |
| **Learning Outcomes:** | Advanced knowledge of research techniques in pharmacology.<br>Understanding of analytical, molecular and integrated pharmacology.<br>Evaluation of scientific manuscripts and experimental design. |
| **Assessment:** | Theory assignment (mid semester 1) (70%) Manuscript evaluation (end of semester 1) (30%) |
| **Prescribed Texts:** | None |
| **Breadth Options:** | This subject is not available as a breadth subject. |

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| **Fees Information:** | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| **Generic Skills:** | Technical writing<br>Database searching |
| **Links to further information:** | http://www.pharmacology.unimelb.edu.au/ |
| **Related Majors/Minors/ Specialisations:** | Pharmacology |