

## PHRM40006 Pharmacology Research Project

| <b>Credit Points:</b>                         | 50   |                |                            |                |   |          |       |   |            |       |   |            |    |
|---|--|----------------|----------------------------|----------------|---|----------|-------|---|------------|-------|---|------------|----|
| <b>Level:</b>                                 | 4 (Undergraduate)  |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Dates &amp; Locations:</b>                 | This subject is not offered in 2014.   |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Time Commitment:</b>                       | Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss total time commitment with their supervisor but as a guide, a student would be expected to be engaged in their research for an average of thirty hours per week over two semesters.  |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Prerequisites:</b>                         | <p>Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOM40001 Introduction To Biomedical Research</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>PHRM40002 Advanced Topics in Pharmacology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHRM40001 Pharmacology Research Project</td> <td>Semester 1</td> <td>25</td> </tr> </tbody> </table>   | Subject        | Study Period Commencement: | Credit Points: | BIOM40001 Introduction To Biomedical Research | February | 12.50 | PHRM40002 Advanced Topics in Pharmacology | Semester 1 | 12.50 | PHRM40001 Pharmacology Research Project | Semester 1 | 25 |
| Subject                                       | Study Period Commencement:   | Credit Points: |                            |                |   |          |       |   |            |       |   |            |    |
| BIOM40001 Introduction To Biomedical Research | February   | 12.50          |                            |                |   |          |       |   |            |       |   |            |    |
| PHRM40002 Advanced Topics in Pharmacology     | Semester 1   | 12.50          |                            |                |   |          |       |   |            |       |   |            |    |
| PHRM40001 Pharmacology Research Project       | Semester 1   | 25             |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Corequisites:</b>                          | None   |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Recommended Background Knowledge:</b>      | Pharmacology 300 level and related biomedical discipline.  |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Non Allowed Subjects:</b>                  | None   |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Core Participation Requirements:</b>       | 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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a> |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Contact:</b>                               | <p>Assoc Prof Ross Vlahos<br/> <a href="mailto:rossv@unimelb.edu.au">rossv@unimelb.edu.au</a> (<a href="mailto:rossv@unimelb.edu.au">mailto:rossv@unimelb.edu.au</a>)<br/>           Administrative Coordinator</p> <p>Ms Hong Nguyen<br/> <a href="mailto:biomedsci-academicsservices@unimelb.edu.au">biomedsci-academicsservices@unimelb.edu.au</a> (<a href="mailto:biomedsci-academicsservices@unimelb.edu.au">mailto:biomedsci-academicsservices@unimelb.edu.au</a>)</p>  |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Subject Overview:</b>                      | <p>Students undergo extensive research training with their own individually-supervised research project, acquiring skills in experimental design, technical expertise, thinking, analysis, and communication. Research projects will be offered in a wide variety of pharmacological research areas allowing students to choose a topic that interests them. Students will learn how to communicate their science in oral presentations and thesis writing.</p> <p>Students will be enrolled in a combination of the research project subjects indicated below to ensure they have completed a total of 75 points for the research project by the end of their course.</p> <p>PHRM40001 Pharmacology Research Project – 25 points, semester 1<br/>           PHRM40006 Pharmacology Research Project – 50 points, semester 2</p>   |                |                            |                |   |          |       |   |            |       |   |            |    |
| <b>Learning Outcomes:</b>                     | # Communication of science in oral presentations.  |                |                            |                |   |          |       |   |            |       |   |            |    |

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|   | <ul style="list-style-type: none"> <li># Thesis writing and evaluation of scientific literature.</li> <li># Extensive research training, completion of own research project, skills in experimental design and analyses.</li> </ul> |
| <b>Assessment:</b>                            | Research presentation 1 (early in semester 1) and Research presentation 2 (late in semester 2) (15%) Literature review (end of semester 1) (10%) Research thesis (end of semester 2) (6000 - 7000 words; 75%)                       |
| <b>Prescribed Texts:</b>                      | None  |
| <b>Breadth Options:</b>                       | This subject is not available as a breadth subject.   |
| <b>Fees Information:</b>                      | Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>   |
| <b>Generic Skills:</b>                        | <ul style="list-style-type: none"> <li># Statistical analyses</li> <li># Oral communication</li> <li># Technical writing</li> <li># Database searching</li> </ul>   |
| <b>Related Majors/Minors/Specialisations:</b> | Pharmacology  |