# DENT40002 Oral Health Sciences Research Project

| | |
|---|---|
| **Credit Points:** | 37.5 |
| **Level:** | 4 (Undergraduate) |
| **Dates & Locations:** | 2015, Parkville<br>This subject commences in the following study period/s:<br>Semester 1, Parkville - Taught on campus.<br>Semester 2, Parkville - Taught on campus. |
| **Time Commitment:** | 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. |
| **Prerequisites:** | Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject. |

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

| | |
|---|---|
| **Corequisites:** | None |
| **Recommended Background Knowledge:** | Dependent on the research project chosen by the student in consultation with the subject co-ordinator. |
| **Non Allowed Subjects:** | Dependent on the research project chosen by the student in consultation with the subject co-ordinator. |
| **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/ |
| **Coordinator:** | Dr Laila Huq |
| **Contact:** | **Subject Coordinator:**<br>Dr Laila Huq<br>**laila@unimelb.edu.au (mailto:laila@unimelb.edu.au)**<br>**Administrative Coordinator:**<br>Ms Brenda Jackson<br>**jacksonb@unimelb.edu.au (mailto:jacksonb@unimelb.edu.au)** |
| **Subject Overview:** | This subject aims to provide opportunities for students to gain an understanding in, and extend the practice of biomedical research. You are required to complete a research project and to produce a written thesis under the guidance of your supervisor(s). The research component offers students the opportunity to use state-of-the-art techniques in protein chemistry, biochemistry, biophysics, molecular biology, microbiology, immunology, genetics, anatomy, mass spectrometry, NMR spectroscopy, molecular modelling, skeletal biology, histomorphometry, image analysis, vaccines, biofilms, biophysics and proteomics. |
| **Learning Outcomes:** | In undertaking a research project and writing up a thesis of approximately 10,000 words and presenting two oral talks, the student will have demonstrated the ability to: |

| | |
|---|---|
| | # take joint responsibility for their learning and to accept responsibility for moving towards intellectual independence;<br># read the literature and determine that a problem can be addressed;<br># state the problem in the form of a hypothesis that can be tested experimentally;<br># design and conduct this experiment;<br># develop methods, collect data and analyse the results using the appropriate statistical methods;<br># discuss the findings in light of the limitations of the experiment and in relation to previously published work;<br># consider what further work might arise from the conclusion;<br># express the study in correct English and present it in a form consistent with the acceptable scientific conventions for the particular discipline in both written and oral forms. |
| **Assessment:** | A thesis of 10,000 words that includes an analysis of the experiments and methods used and a comprehensive discussion of results obtained during the research they have undertaken worth 80%. Two oral presentations each of 15 min plus 5 min question time duration, each worth 10%. |
| **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:** | # critical analysis and decision making;<br># how to seek and retrieve relevant information;<br># how to work effectively in a team environment;<br># planning and organization;<br># problem solving;<br># time management;<br># extended observation;<br># good oral and written communication. |
| **Links to further information:** | http://www.dent.unimelb.edu.au/ |
| **Notes:** | Students must be enrolled in the Bachelor of Biomedicine (Honours), Bachelor of Science (Honours) or Master of Science to complete this subject. |
| **Related Majors/Minors/ Specialisations:** | Oral Health Science |