CHEM90016 Chemistry Masters Research Project

Credit Points:	50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013.
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 this with their supervisor but as a guide, a student enrolled in a 50 point research project subject would be expected to be engaged in their research for an average of forty hours per week or 800 hours for the semester. Students enrolled in a 37.5, 25 or 12.5 point research subject would be expected to be engaged in their research on a pro-rata basis.
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
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 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/
Contact:	Email: **chutton@unimelb.edu.au (mailto:chutton@unimelb.edu.au)**
Subject Overview:	The research project involves undertaking experimental and/or theoretical research in an area currently relevant to one of the research groups in the School of Chemistry. The subject will enable students to develop the process and practice of chemical research; increase the student's knowledge and understanding of chemical science; encourage the development of individual investigative skills, critical thought and the ability to evaluate information and to analyse experimental data; and ensure that students receive essential training in laboratory safety procedures.
Objectives:	The objectives of this subject are to: # develop the process and practice of chemical research; # increase the student's knowledge and understanding of chemical science; # encourage the development of individual investigative skills, critical thought and the ability to evaluate information and to analyse experimental data; and # ensure that students receive essential training in laboratory safety procedures.
Assessment:	The assessment requirements below are applicable to the entire 125 point Research Project: attendance at a safety and induction program with at least a 65% result in a 60 minute safety examination held during the first week (pass/fail); a preliminary literature survey and research plan (up to 10 pages of mixed text, diagrams and formulas) due at the end of the first semester of enrolment or after the student has enrolled in 25 points of Research project (pass/fail); a project-related oral presentation (up to 25 min), given at the end of the second semester (pass/fail); a project-related oral presentation (up to 30 min), given at the end of the fourth semester (10%); a major thesis, page limit of 60 pages, due at the end of the fourth semester (35%); an oral exam (viva) on the content of the thesis (35%); assessment of research performance based on attendance, application, initiative and demonstrated skills (20%); attendance at a seminar series providing advanced theoretical and/or practical training (hurdle).
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:	At the completion of this subject, students should gain skills in: # advanced problem solving and critical thinking; # evaluation of research and professional literature; # applying concepts developed in one area to a different context; # analysing and rationalising experimental observations; # effective time management; # scientific written and oral communication.
Related Course(s):	Master of Science (Chemistry)