

The School of Chemistry

Master of Science – Chemistry 2009

Coordinator - Dr Craig Hutton

Administrator - Vicki Burley

All enquiries to Vicki Burley

---

The 2009 Master of Science by coursework in Chemistry course commences on Tuesday 17<sup>th</sup> February 2009. Dependent on whether this course is being taken full or part time will determine the end date. Full time students are expected to complete mid November 2010 whereas part time students have an expected completion of November 2012.

**HURDLE REQUIREMENTS:** All students commencing in February 2009 will be required to undertake and successfully complete the School of Chemistry Induction & Safety program. It is intended that this program will encompass laboratory safety, Intellectual Property, technical writing and general information regarding the Master of Science by coursework and the School of Chemistry. As the Induction & Safety Program is a hurdle requirement, attendance at all lectures and achieving a pass (min 65%) in the examination is **compulsory**. A detailed timetable which advises the lecture details and venue will be distributed to students prior to the first lecture.

### Advanced Chemistry Coursework Subjects (37.5% of assessment)

Six of the following courses are to be taken, including Advanced Spectroscopy and at least one Professional Tools subject. Details of the subjects are as follows:

#### Assessed Courses

##### **610-681 Advanced Spectroscopy (12.5 points) Semester 1, year 1**

Students are required to select 2 of the 3 modules offered in this subject. Each module will consist of 12 x one hour lectures which will be taught in semester 1 and examined during the University examination period.

##### **610-682 Chemistry 4A (12.5 points) Semester 1, year 1**

Students are required to select 2 of the 5 modules offered in this subject. Each module will consist of 12 x one hour lectures which will be taught in semester 1 and examined during the University examination period.

##### **610-683 Chemistry 4B (12.5 points) Semester 2, year 1**

Students are required to select 2 of the 5 modules offered in this subject. Each module will consist of 12 x one hour lectures which will be taught in semester 2 and examined during semester 2 once lectures have been completed.

**Details of the 2009 modules being offered for the above subjects and the module selection form can be downloaded from the Chemistry Master of Science website located at [http://www.chemistry.unimelb.edu.au/courses/postgrad/MS\\_coursework.html](http://www.chemistry.unimelb.edu.au/courses/postgrad/MS_coursework.html)**

*Please note it may be necessary to withdraw some modules. Students will be notified as soon as possible if this is the case so that alternative modules can be chosen.*

**Students should make their module selections in consultation with their research supervisor. The form must then be submitted for formal approval to Vicki Burley, room 253, by no later than Monday 23<sup>rd</sup> February, 2009.**

##### **Chemistry 5A (12.5 points) Semester 1, year 2**

Students are required to select 2 of the 5 modules offered in this subject. Each module will consist of 12 x one hour lectures which will be taught in semester 1 and examined during the University examination period.

### **Chemistry 5B (12.5 points) Semester 2, year 2**

Students are required to select 2 of the 5 modules offered in this subject. Each module will consist of 12 x one hour lectures which will be taught in semester 2 and examined during semester 2 once lectures have been completed.

### **Professional Tools (12.5 points) (course timing may vary for each subject)**

Students must take one or two professional tools subjects from the list below:

Money, People and Projects:

The Market Environment:

Critical Analysis in Science:

e-Science:

Systems Modelling and Simulation

Ethics in Science

Thinking and Reasoning with Data

Science in Context

Science and Communication

Full details of the above subjects can be accessed from their links on

<http://graduate.science.unimelb.edu.au/programs/msc/chemistry>

**Students may opt to take one subject offered in one of the Professional Master of Science streams in place of one of the Chemistry subjects above, with approval from the Coordinator.**

## **Chemistry Research Project (62.5% of assessment)**

The research component is undertaken throughout 2009 and 2010 with a four week break at a time agreed to by your supervisor (but during the December 2009 – January 2010 period), and is made up of the following assessment components:

### **Literature Survey and Research Plan**

This preliminary literature survey and research plan (1500 words, up to 5 pages) should detail the objectives and background, including relevant literature, of the research project and is due by **Friday 29<sup>th</sup> May 09**. Please submit to Vicki Burley, room 253, Chemistry building. This plan is a compulsory hurdle requirement and is intended to assist the student as they approach writing their thesis.

### **Project Related Oral Presentation**

Master of Science students will present a progress talk in 2009 and a final oral presentation in 2010.

The progress presentations will be scheduled during the period **2–6 November 2009**. Fifteen minutes is allocated for the presentation and five minutes for discussion. Please note that speakers will not be permitted to exceed these limits. The seminar should set the work in context and should be presented at a level and with sufficient background material that the work can be comprehended by an audience of chemists, including research students, unfamiliar with the specific area of research. It is expected that students will discuss their talks with their supervisors beforehand. The timetable for these presentations will be made available to students in **October 2009 and 2010**.

**Major Thesis** (90% made up of thesis evaluation (35%), oral examination (viva) on thesis (35%); supervisor's assessment of research performance ((20%) based on attendance, application, initiative, and demonstrated skills)).

A major thesis (maximum limit of 60 pages which includes typed text and tables, figures etc., double spaced, A4 paper, 20,000 words). Additional material will not be read by examiners.

The thesis (4 copies) will be due in November 2010 (actual due date will be made available to students in January 2010).

### **Oral Examination (viva)**

A 30 minute oral examination will be held in the week following submission of the thesis. The student will be assessed by a panel of examiners regarding the content of his/her thesis. The timetable for these examinations will be made available to students in the last week in **October 2010**.