

**CHEMISTRY/BIOCHEMISTRY 4000 8.0 Research Project
FW 2016/17**

Course Director: Prof. Derek Wilson, LSB331C

E-mail: dkwilson@yorku.ca

Course web-site: <http://derekwilsonlab.ca/chem-4000/>

Course Grading

- Supervisor's assessment: **50 %**
- Written Thesis: **25 %**
- Oral Presentation: **10 %**
- Oral Exam: **15%**

Dates:

- Proposal: **Oct 14th** (to the course director: *Hardcopy in chemistry mailbox*)
- Progress Presentations: **Jan 17th** (12:30pm ACW205)
- SOUSCC (conference, AT YORK): End of March!!
- Thesis DRAFT: **April 7th** (to your supervisor)
- Thesis (Final version): **April 17th** (to supervisor, examiners and course director)
- CHEM 4000 Presentations: **April 24th** (tentative, all day)
- CHEM 4000 Oral Exams: **April 25th** (tentative, all day)

Proposal: 1 page in length (excluding refs). It should include what your planned research project will be. It *should* include such things as key references, a few statements about the history of the research group you are working in, relationship of your project to the supervisors other research, research plan (what are you going to do), importance of *your* research, *etc.* A brief literature search should have been completed by this time. The proposal should be written by the student, but should be submitted to your supervisor first for comments before you hand it in to me.

Progress Presentations:

A **5-10 minute** presentation of your research progress. We don't necessarily expect final results at this point. You can outline successes, difficulties, data you have acquired, results, etc.

Thesis:

A *maximum* 35 page (double spaced, page 1 being start of introduction, excluding appendices for raw data) thesis of your research. It should include cover, cover page, abstract, table of contents, list of figures/tables, introduction, experimental, results, discussion, conclusions. You should make 5 copies (for yourself, supervisor, course

director, both examiners). You and your supervisor should decide on 2 other chemistry professors who will agree to act as examiners of your thesis (see *Dates* above). Samples of previous reports will be posted on the course website.

Presentation:

On CHEM 4000 Oral presentation day, you will all be required to give a **20 minute** (leave 2-5 minutes for questions) public presentation of your research to the department; usually scheduled for the whole day.

Oral Exams:

Your oral examination will be 30 minutes in length, at which time your examiners will ask questions about your research and written thesis; usually scheduled for the whole day...a schedule will be announced the week before.