

**CHEMISTRY/BIOCHEMISTRY 4000 8.0 Research Project
FW 2023/24**

Course Director: Prof. Derek Wilson, LSB331C

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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 16th** (*Email to course director*)
- Progress Presentations: **Jan 22nd** (*Time/place TBA*)
- **SOUSCC Conference:** End of March!!
- Thesis DRAFT: **April 5th** (*to your supervisor*)
- Find examiners by: **April 5th** (*Email me to tell me who they are*)
- Thesis (Final version): **April 15th** (*to supervisor, examiners and course director*)
- CHEM/BCHM 4000 Presentations: **April 22nd** (*tentative, all day*)
- CHEM/BCHM 4000 Oral Exams: **April 23rd** (*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 probably 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 (1.5 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.