Cell 799-01 Research Component (Research Students, Fall 11)
Course Director: Dr. Fiona Inglis
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Office hours: by appointment.

Course Objectives:
For students to participate in a research project and learn cell and molecular based techniques, which they will use to answer questions in an investigative laboratory setting.

Learning Outcomes:
Following participation in this course, students will:
- have developed an understanding of scientific method in a laboratory setting.
- be able to describe in detail a scientific question.
- be able to describe in detail methodologies employed to answer the question.

Grading:
40% - Research Hours Spent in Lab: For Masters students doing research, 40% of your grade will be determined by your level of participation in your research project. Students will be expected to spend a minimum of 50 hours in the lab over the semester. Each student will arrange their lab schedule with the faculty member in whose lab they are working.

30% - Email Journal: A bi-weekly journal should be sent to your advisor (to be announced). Please include in your journal entry the following: what you have done in the lab that week. (Please note: if you are performing clinical research, it is IMPERATIVE that you not use patient's names or identifying information. Research described in your journal will be treated as privileged information, and will remain confidential.); how you are progressing in your course work; results of recent exam scores, etc.; any problems you are having either in class or in your lab project; anything else you think it is important for your advisor or Dr. Inglis to be aware of (i.e., frustrations, problems, emotional issues). If you have made a significant breakthrough, for example, learning about an interesting aspect of healthcare, or mastering part of a difficult class, please share this experience. The biweekly journal should contain at least two paragraphs; one paragraph should describe what you have done in your rotation since your last e-journal submission.

Journal entries must be received by the due date at 5pm. For each day the journal is late, it will be dropped a letter grade. For the Fall (2011) semester, journals are due on the following dates:
- September 9
- September 23
- October 7
- October 21
- November 4
- November 18
- December 2

30% - Final Paper: A final project will be due in the form of a paper (5 pages, double-spaced) in which you report on the background of your research problem, the question you asked, the techniques used, and the progress made in your research project. Please write this paper in the format of a scientific article. For the Fall (2011) semester, papers are due Friday Dec. 9th (last day of class).