

CAMOSUN COLLEGE - CHEMISTRY & GEOSCIENCE DEPARTMENT

Chemistry 290 LABORATORY INTERNSHIP

Class Outline Spring 2004

The course involves a minimum of 300 hours of work experience at an approved external laboratory or, rarely, at the College. Opportunities for a variety of projects in environmental chemistry, biochemistry, microbiology, molecular biotechnology, or related fields in private industry or public research institutions will be available. Students must prepare an internship project report in an approved scientific style.

Course Coordinator

Graham Shorthill.

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Office Hours:

As posted. An open-door policy is also in effect.

Course offering

Semester

The work experience occurs typically in the Spring and Summer Semesters. The internship report is due to within four weeks of completion of the laboratory work. The student may choose to include a presentation to ACB Program students as a portion of the reporting deliverables.

Credits

8

On-Site Workload

This will vary depending on the nature of the internship. Typically, a full-time internship position involves a 35 to 40 hour work-week, Monday to Friday. Other arrangements are possible dependent on the needs of the external laboratory. An arrangement will be reached that is agreed to by the internship Student prior to initiation of the internship.

Off-Site Workload

The student is required to prepare an Internship Report. The student may be given time by the internship supervisor(s) to complete this report

during normal working hours at the external laboratory, however, the student should expect to prepare this report on her or his own time. The style and length of this report may vary, and will be determined by the course coordinator in consultation with the external laboratory supervisor(s). Concerns for any confidentiality requirements of the external laboratory would be paramount. Typically, a report will follow a rigorous scientific journal style such as that of the Journal of the American Chemical Society, the Journal of Biological Chemistry, or the Journal of Bacteriology. Resources and instruction will be provided by the course coordinator. If the external laboratory confidentiality concerns do not allow the presentation of results and conclusions in typical journal format, then an alternative, suitable, scientific format will be agreed to by the course coordinator and the student intern supervisor(s).

Prerequisites

Completion of all courses in the ACB Program, and permission of the Program Chair.

Note: This course is not open to former graduates of the ACB program.

Grading

The student must receive passing grades in both the work-experience and internship report portions of the course in order to pass this course. The grade for the work-experience will be determined by the course coordinator in consultation with the internship supervisor(s). The report will be graded by the course coordinator except under exceptional circumstances where external laboratory confidentiality concerns do not permit this. Under these circumstances, the external laboratory supervisor(s) may grade the report, and submit that grade to the course coordinator.

The course mark determination:

The three grades for this course are:
Satisfactory with distinction
Satisfactory
Unsatisfactory