

Course Outline

MOLECULAR BIOLOGY AND BIOCHEMISTRY

MBB 481-5

Individual Study Semester: Honours Thesis

Instructor: Any MBB faculty member, MBB associate or adjunct faculty member, or members of other departments pending approval by the MBB DUCC.

Description: This course constitutes one part of a three-part honours degree program, and must be taken concurrently with MBB 482 and 483. It is only open to MBB majors, with at least 90 semester hours in the MBB program and permission of the MBB department. Minimum 3.0 cGPA and udGPA.

The individual study semester (ISS) provides students with the opportunity to carry out full-time laboratory research in molecular biology and biochemistry. The end result will be the writing of an honours thesis and an oral defense. MBB 481 encompasses the research design component of the ISS. By the end of week 2, students will submit a written research proposal and will receive feedback from their committee members. At the end of the semester, students will submit an honours thesis. The mark for this thesis and for the course will reflect the quality of the writing, the demonstration of an understanding of the research project and the ability to clearly document research results.

Honours students enrolled in MBB 481, 482 and 483 need to form a supervisory committee composed of the faculty supervisor and two additional faculty members.

Grading: Grading will occur at the end of the semester and will reflect the quality of the honours thesis.

Prerequisites: Enrolment in the MBB or Biological Physics Honours Program; a minimum of 3.0 cGPA and 3.0 udGPA and permission of the MBB department; and MBB 331 and one of MBB 308 or MBB 309W.