

## Course Outline

### MOLECULAR BIOLOGY AND BIOCHEMISTRY

#### MBB 481-5

#### Individual Study Semester: Research Design

**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 Honour's 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 uGPA.

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 Honors Thesis and an oral defense. MBB 481 encompasses the research design component of the ISS. Students will be marked on their written research reports, including the written proposal that is turned in at the beginning of the term (worth 20% of this mark) and the final Honors thesis (worth 80% of the MBB 481 mark). The mark will reflect the quality of the writing, the demonstration of an understanding of the research project and the ability to clearly document research results.

Honors students enrolled in 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 written reports, with the greatest emphasis on the Honors thesis.