

MOLECULAR AND CELLULAR BIOLOGY (MCB)

MCB*6310 Advanced Topics in Molecular and Cellular Biology Fall Only [0.50]

This course will consider fundamental cellular processes from multiple perspectives: biochemistry, cell biology, microbiology, molecular biology and genetics, and plant biology. Topics will vary from semester to semester but a multi-disciplinary approach to advanced concepts and experimental strategies will be a common theme.

Department(s): Department of Molecular and Cellular Biology

Location(s): Guelph

MCB*6370 Protein Structural Biology and Bioinformatics Unspecified [0.50]

This course explores structural biology from three perspectives: 1) the fundamental concepts in structural biology; 2) the methods used to determine structures (including x-ray crystallography, NMR, electron microscopy, and computational modeling); 3) the bioinformatic concepts and tools used to compare, contrast and assign biochemical function to protein structures and sequences. The course emphasizes building a conceptual and practical skill set that will be applicable to any structure related problem.

Department(s): Department of Molecular and Cellular Biology

Location(s): Guelph

MCB*6500 MSc Research Topics in Molecular and Cellular Biology Unspecified [1.00]

This mandatory two semester course emphasizes the development and refinement of the skills of scientific communication. Students submit a written thesis proposal and present a public seminar on a contemporary subject in the molecular biosciences. MCB MSc students normally complete this course within the first two semesters of their program. Students will register in each semester and receive a grade of INP (in progress) at the end of the first semester and a grade at the end of the second semester.

Department(s): Department of Molecular and Cellular Biology

Location(s): Guelph

MCB*7500 PhD Research Topics in Molecular and Cellular Biology Unspecified [1.00]

This mandatory two semester course emphasizes the development and refinement of the skills of scientific communication. Students submit a written thesis proposal and present a public seminar on a contemporary subject in the molecular biosciences. MCB PhD students normally complete this course within the first two semesters of their program. Students will register in each semester and receive a grade of INP (in progress) at the end of the first semester and a grade at the end of the second semester.

Department(s): Department of Molecular and Cellular Biology

Location(s): Guelph