Molecular Biology 3003: Microbial Genetics
Term I in 2017/2018

Instructor: Dr. Marie Elliot
Office: LSB 329
Email: melliot@mcmaster.ca or through ‘Avenue to Learn’ during the semester

TA’s: David Crisante, Francesco Morriello, Matt Zambri

Schedule: 3 lectures and 1 tutorial per week
Lectures are from 11:30am-12:30pm Tuesdays, Thursdays and Fridays in MDCL 1110.

Text: Snyder et al. Molecular Genetics of Bacteria. 4th Ed. ASM Press, Washington, D.C.

Course objective: This course is designed to give students an appreciation for the genetics of bacteria, the techniques (molecular and biochemical) used in genetic studies, and an introduction to important, current papers in the literature.

Tutorials: Tutorials will be held once a week (50 min). These are designed to acquaint students with current literature incorporating topics or techniques that complement those discussed in lecture. Students will be required to present, explain, and interpret data from a current paper (provided two weeks in advance), and both lead and participate in discussions of the papers and their relevance to lecture topics. Practice questions that reflect those you will see on midterm and final exams will also be provided and discussed.

Evaluation: 30% Midterm exam*
(tentative) 40% Final exam* (in December, as arranged by the registrar’s office)
- the final exam is cumulative, encompassing all material covered in lectures and general topics covered in tutorials.

25% Tutorials
- 6% for presentation
- 6% for written analyses
- 5% for leading discussions
- 4% for participation
- 4% for completion of practice questions

5% In-class quizzes

Students are required to complete at least 85% of the course work to receive credit for MOL BIOL 3003.

Any queries about exam marks will involve a complete re-marking of the exam; exams written in pencil will not be eligible for re-marking. Any missed exams or tutorials will be granted accommodation only for medical or compassionate reasons, and must be approved by the Associate Dean’s office. Please note that MSAF’s may not be used for the midterm.

* If you do better on the final exam than you did on the midterm exam, the percentage value for each will be adjusted

Office hours: TBD. I will also be available before and after most lectures, and you can contact me via email or through Avenue. Please make an appointment if you wish to see me at other times. If there is sufficient interest, I will arrange a review session prior to the final exam to address areas of concern, or to go over questions.
**Academic Dishonesty:** Attention is drawn to the Statement on Academic Integrity as found in the Senate Policy Statements distributed at registration and available in the Senate Office or the Office of Academic Integrity. Any student who infringes upon any one of these resolutions will be treated according to published policy. **Please pay particular attention to issues of plagiarism,** as all violations will pursued through the Office of Academic Integrity. [http://www.mcmaster.ca/academicintegrity/](http://www.mcmaster.ca/academicintegrity/)

The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.