

## Department of Biology Course Outline

### SC/BIOL 4285 3.0 Human Molecular Genetics Winter 2017

#### Course Description

The course covers the application of genetic and molecular biological techniques to study human diseases and other related areas, and discusses ethical concerns that might arise from this research.

#### Prerequisites

Prerequisite or corequisite: SC/BIOL 3130 3.00.

#### Course Instructors and Contact Information

Instructor: Dr. Michael Scheid  
 Rm. 236 Farquharson Building  
 Website: [www.yorku.ca/mscheid](http://www.yorku.ca/mscheid)  
 Contact: [mscheid@yorku.ca](mailto:mscheid@yorku.ca)  
 Please put RE: 4285 followed by your first and last name in the subject line.

#### Schedule

|         |                    |         |
|---------|--------------------|---------|
| Fridays | 11:30 am – 2:30 pm | LSB 105 |
|---------|--------------------|---------|

#### Evaluation

1. Midterm 1 –25% of your final mark (in class)
2. Midterm 2 – 25% of your final mark (in class)
3. Final Examination – 50% (Date to be announced by registrar. Cumulative)

#### Important Dates

For important dates such as holidays, refer to the “Important Dates” section of the Registrar’s Website at <http://www.yorku.ca/yorkweb/cs.htm>

#### Other Information

##### EVALUATION

There will be TWO Midterm exams, each worth 25% of your grade & a Final Exam worth 50% (Cumulative).

If an evaluation is not completed, a "0%" grade will be earned for that evaluation!

Please note:

1. Exam questions will be derived from lectures and lecture material
2. Exams will be a combination of multiple choice, short answer, and long answer questions.
3. Final Exam is cumulative

#### MAKE-UP POLICY:

There will be NO MAKE-UP of the midterm exams. For medical issues please have your physician fill out the Attending Physician Statement. This form is available from the Registrars website.

### Resources

This course will be taught using the primary literature and various online resources. I will be using a combination of the chalkboard and powerpoint figures. Some materials, for example journal articles, will be made available through Moodle. Moodle should be active by the end of the first week.

### University Policies

#### Academic Honesty and Integrity

York students are required to maintain the highest standards of academic honesty and they are subject to the Senate Policy on Academic Honesty (<http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>). The Policy affirms the responsibility of faculty members to foster acceptable standards of academic conduct and of the student to abide by such standards.

There is also an academic integrity website with comprehensive information about academic honesty and how to find resources at York to help improve students' research and writing skills, and cope with University life. Students are expected to review the materials on the Academic Integrity website at - <http://www.yorku.ca/academicintegrity/>

#### Access/Disability

York University is committed to principles of respect, inclusion and equality of all persons with disabilities across campus. The University provides services for students with disabilities (including physical, medical, learning and psychiatric disabilities) needing accommodation related to teaching and evaluation methods/materials. These services are made available to students in all Faculties and programs at York University.

Students in need of these services are asked to register with disability services as early as possible to ensure that appropriate academic accommodation can be provided with advance notice. You are encouraged to schedule a time early in the term to meet with each professor to discuss your accommodation needs. Please note that registering with disabilities services and discussing your needs with your professors is necessary to avoid any impediment to receiving the necessary academic accommodations to meet your needs.

Additional information is available at the following websites:

Counselling & Disability Services - <http://cds.info.yorku.ca/>

Counselling & Disability Services at Glendon - <http://www.glendon.yorku.ca/counselling/personal.html>

York Accessibility Hub - <http://accessibilityhub.info.yorku.ca/>

#### Ethics Review Process

York students are subject to the York University *Policy for the Ethics Review Process for Research Involving Human Participants*. In particular, students proposing to undertake research involving human participants (e.g., interviewing the director of a company or government agency, having students complete a questionnaire, etc.) are required to submit an *Application for Ethical Approval of Research Involving Human Participants* at least one month before you plan to begin the research. If you are in doubt as to whether this requirement applies to you, contact your Course Director immediately.

#### Religious Observance Accommodation

York University is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. Should any of the dates specified in this syllabus for an in-class test or examination pose such a conflict for you, contact the Course Director within the first three weeks of class. Similarly, should an assignment to be completed in a lab, practicum placement, workshop, etc., scheduled later in the term pose such a conflict, contact the Course director immediately. Please note that to arrange an alternative date or time for an examination scheduled in the formal examination periods (December and April/May), students must complete an Examination Accommodation Form, which can be obtained from Student Client Services, Student Services Centre or online at

[http://www.registrar.yorku.ca/pdf/exam\\_accommodation.pdf](http://www.registrar.yorku.ca/pdf/exam_accommodation.pdf) (PDF)

**Student Conduct in Academic Situations**

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere in the classroom and other academic settings, and the responsibility of the student to cooperate in that endeavour. Further, the instructor is the best person to decide, in the first instance, whether such an atmosphere is present in the class. The policy and procedures governing disruptive and/or harassing behaviour by students in academic situations is available at - <http://secretariat-policies.info.yorku.ca/policies/disruptive-and-or-harassing-behaviour-in-academic-situations-senate-policy/>