Faculty of Science and Engineering
Department of Biology

Course: SC/BIOL 4150 3.0 Cellular Regulation

Term: Winter 2009

Prerequisite / Co-requisite: SC/BIOL 2020 4.0; SC/BIOL 2021 4.0; SC/BIOL 3010 3.0 and SC/BIOL 3110 3.0

Course Instructor:
Dr. Elaine Sinclair
esincla@yorku.ca

Time and Location:
Lectures Wed 17:30-20:30. Founders College 203

Expanded Course Description:
Organization of the Course – The course involves formal lectures from the course instructor and invited guests. The required readings are central to the course. The lectures serve to enrich, clarify and illustrate crucial issues from the assigned readings.

Course Learning Objectives

(1) The purpose of this course is to assist students in developing a thorough understanding of the mechanisms in which cells are regulated. This will include a detailed analysis of a variety of cell signaling cascades and processes controlling cell proliferation, growth and survival. Students will have the opportunity to explore a diverse number of cell signaling pathways and relate these to physiology and the pathophysiology of disease states.

(2) Brief list of specific learning objectives of the course
-acquisition of a fundamental understanding of the discipline of biology
-acquisition of critical thinking skills,
-acquisition of problem solving skills
-acquisition of the skills associated with speaking and writing effectively and clearly for a diversity of audiences both within and beyond the discipline

Course Text / Readings:
The following is a general reference text for the course. Further more specific references shall be provided throughout the course where appropriate.

Alberts, B., Bray, D., Lewis, J., Raff, M., Roberts, K., Watson, J. D. Molecular Biology of The Cell. Fifth Edition.

Evaluation:
The final grade for this course will be based on the following items weighted as indicated:

Mid-term:	30%
Assignment:	25%
Final Exam:	45%

Grading, Assignment Submission
Lateness Penalties and Missed Tests

Grading: The grading scheme for the course conforms to the 9 point grading system used in undergraduate programs at York (e.g., A+ = 9, A = 8, B+ = 7, B = 6, C+ = 5, etc). Assignments and tests will bear either a letter grade designation or a corresponding number grade (e.g. A+ = 90 to 100, A = 80-89, B+ = 75 to 79 etc.)
(For a full description of York grading system see the York University Undergraduate Calendar – http://calendars.registrar.yorku.ca/pdfs/ug2004cal/calug04_5_acadinfo.pdf)

Students may take a limited number of courses for degree credit on an ungraded (pass/fail) basis. For full information on this option see Alternative Grading Option in the Faculty of Science and Engineering section of the Undergraduate Calendar.

Assignment Submission: Proper academic performance depends on students doing their work not only well, but on time. Accordingly, assignments for this course must be received on the due date specified for the assignment. Assignments are to be handed in during scheduled lecture times.

Lateness Penalty: Assignments received later than the due date will be penalized by one-half letter grade (I grade point) per day that the assignment is late. Exceptions to the lateness penalty for valid reasons such as illness, compassionate grounds, etc., may be entertained by the Course Instructor but will require supporting documentation (e.g., a doctor's letter).

Missed Tests: Students with a documented reason for missing a course test, such as illness, compassionate grounds etc., which is confirmed by supporting documentation (e.g., doctor's letter) may request accommodation from the Course Instructor. On such occasions the student may be allowed to write a make-up test on an appropriate mutually agreed date.) Further extensions or accommodation will require students to submit a formal petition to the Faculty.

ADDITIONAL INFORMATION:

IMPORTANT COURSE INFORMATION FOR STUDENTS

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Curriculum & Academic Standards webpage (see Reports, Initiatives, Documents) – http://www.yorku.ca/secretariat/senate_cte_main_pages/ccas.htm

- York's Academic Honesty Policy and Procedures/Academic Integrity Website
- Ethics Review Process for research involving human participants
- Course requirement accommodations for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities
- Student Conduct Standards
- Religious Observance Accommodation