

MOLECULAR BIOLOGY II: REGULATION OF GENE EXPRESSION
SC/BIOL 3130 3.0, Section M
WINTER 2016

PREREQUISITE: SC/BIOL 3110 3.0 or SC/BCHM 3110 3.0

COURSE DIRECTOR: Dr. Katalin Hudak
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LECTURES: Tuesday and Thursday, 8:30am – 10am, Life Science Bldg 103
Powerpoint slides will be posted on Moodle prior to lecture

TEXT: “Molecular Biology” by Robert Weaver (2012), Fifth edition, WCB/McGraw Hill, on reserve in Steacie Library and for sale at bookstore

GRADING: Two mid-term tests, 25% each = 50%
Final Cumulative Exam = 50%

MISSED TESTS: Absence from a test must be accompanied by a completed Attending Physician’s Statement clearly stating why the test was missed. The grade value of the test will be divided between the remaining test and the final exam. Missed final exams must be accompanied with a completed Attending Physician’s Statement and a Final Exam Deferred Standing Agreement.

OFFICE HOURS: Please e-mail hudak@yorku.ca to make an appointment.

GENERAL TOPICS:

Prokaryotes - Transcription, operons, DNA-protein interactions
Eukaryotes - Transcription, factors and activators, pre-mRNA splicing, mRNA stability, translational control of gene expression

LEARNING OBJECTIVES:

Detailed knowledge of transcription and translation in pro- and eukaryotes
Critical evaluation of primary literature and understanding of experimental methods
Interpretation of data
Writing logical and comprehensive paragraph-style answers in tests

DROP DEADLINE FOR THIS COURSE IS MARCH 04, 2016

IMPORTANT COURSE INFORMATION: University policy, procedures and regulations on Academic Honesty/ Integrity, Access/Disability, Student Conduct, Religious Observance Accommodation, etc. are available on the Committee on Curriculum and Academic Standards (CCAS) website (see policies, procedures and regulations)

http://www.yorku.ca/secretariat/senate_cte_main_pages/ccas.htm