



BIOLOGICAL SCIENCES 202

Genetics

SPRING 2014 (1141)

INSTRUCTOR	OFFICE	PHONE	EMAIL
H. Hutter	B8226	778-782-4803	hutter@sfu.ca

COURSE PREREQUISITES

BISC 101 and 102¹

COURSE DESCRIPTIONS

Principles and concepts of the transmission of genetic information treated comparatively in human, animal, plant and microbial systems.

3 lecture hours/week, 1 tutorial hour/week, 0 lab hours

COURSE OUTLINE

Mendel's Laws

Chromosome Theory of Inheritance

Gene Interactions

Linkage and Mapping

Gene Mutations

Chromosome Mutations

Bacterial Genetics

DNA Structure and Function

The Genetic Code

Control of Gene Expression

Note: iClickers will be used in this course

TEXTBOOKS

Klug et al., Concepts of Genetics. 10th Edition and Mastering Genetics Web Portal

MARK DISTRIBUTION

¹ Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.



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Grades will be based on problem sets, one midterm exam and a cumulative final exam.