



BIOLOGICAL SCIENCES 202

Genetics

SPRING 2014 (1141)

INSTRUCTOR	OFFICE	PHONE	EMAIL
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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

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

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