



BIOLOGICAL SCIENCES 202

GENETICS

SUMMER 2014 (1144)

INSTRUCTOR	OFFICE	PHONE	EMAIL
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COURSE PREREQUISITES

BISC 101 and 102 (Minimum C- grade)¹

COURSE DESCRIPTION

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

Topics to be covered (not complete):

- 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
- Introductory population genetics

TEXTBOOKS

Griffiths et al., Introduction to Genetic Analysis. Tenth Edition
ICLICKERS will be used in class

MARK DISTRIBUTION (subject to change)

Grades will be based on three problem sets (10%), two Midterm exams (25% each) and a cumulative Final exam (30%). **iClickers (10%) will be used during lecture time.** Therefore, you must attend the lectures.

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