



BIOLOGICAL SCIENCES 102

General Biology

SPRING 2014 (1141)

INSTRUCTOR	OFFICE	PHONE	EMAIL
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COURSE PREREQUISITES - Survey of the diversity of life, and its evolutionary history on earth. The student is introduced to the study of genetics, development, and evolution, giving an overview of how these processes interact to produce form and function. Also included are principles of behavior and ecological relationships of organisms to each other and their environment. Prerequisite: High school biology 12 (or equivalent) with a C grade or better, or BISC 100 with C- or better, or HSCI 100 with C+ or better. Breadth-Science¹

COURSE DESCRIPTION - Biology 102 (General Biology) provides a survey of the diversity of life and its evolutionary history on Earth. Topics covered include natural selection, phylogeny, and genetics, giving an overview of how these processes interact to produce organismal form and function. Principles of behavior and ecological relationships of organisms to one another and the environment are also covered.

COURSE OUTLINE

Experimental Design	The Diversity of Life
Natural Selection	Microevolution and Population Genetics
Phylogenetic Trees	Tree-thinking
The Origin of Life	Paleoecology
Meiosis	Genetics
Adaptive Design	Animal Behavior
Sexual and Kin Selection	Speciation
Macroevolution	Introduction to Ecology
Population Ecology	Community Ecology 1
Community Ecology 2	Ecosystems
Hominin Evolution	A Tale of Two Lice

Note: The lab component consists of lab assignments and the laboratory examination, and students must pass the lab component to pass the course.

MARK DISTRIBUTION

Inquiry textbox assignment	15%
Pre-reading quizzes and tutorial/lecture participation	15%
Midterm exam	15%
Laboratory component	30%
Final exam	25%

ADDITIONAL COURSE FEE - \$28.00

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