



# BIOLOGICAL SCIENCES 102

## GENERAL BIOLOGY

**SUMMER 2014 (1144)**

INSTRUCTOR	OFFICE	PHONE	EMAIL
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**COURSE PREREQUISITES** - 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-Science.<sup>1</sup>

**COURSE DESCRIPTION** - The central theme of this course is the diversity of life and its evolutionary history on Earth. The student is introduced to the study of genetics, development, and evolution, and examines how these processes interact to produce form and function. Also included are principles of behaviour, and ecological relationships of organisms to each other and to their environment.

### COURSE OUTLINE

Experimental Design	Animal Behaviour
Diversity of Life	Sexual & Kin Selection
Natural Selection	Microevolution & Population Genetics
History of Life	Macroevolution
Phylogeny	Species & Speciation
Meiosis & Genetics	Ecology
	Human Evolution

### TEXTBOOKS

Reece et al. (2011) Campbell Biology, 9<sup>th</sup> ed. Benjamin Cummings

**iClickers are required**

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

### MARK DISTRIBUTION

Inquiry textbox assignment	15%
Quizzes/tutorial/lecture participation	15%
Laboratory component	30%
Midterm exam	15%
Final exam	25%

**ADDITIONAL COURSE FEE - \$28.00**

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