

OUC Biology 121- 03/04: Biology for Science Majors II
Winter 1999

Professor: Brett Goodwin

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Lectures: Tues. & Thurs. 8:30-10:20, SSC 026

Office hours: to be determined

Course Objectives:

This is the first semester of a full year course, the objectives of which are:

- i) to prepare the student for upper level biology courses by introducing the basic concepts of physiology, ecology, genetics, and cell function. Evolutionary theory will be a unifying theme.
- ii) to provide students with a basic knowledge of physiology, ecology and taxonomy of plants, animals and microorganisms.
- iii) to familiarize students with the process of scientific inquiry, hypothesis testing, and methods for studying and measuring biological diversity.

Textbooks:

- Campbell, N.A. 1996. **Biology. 4th edition.** Benjamin Cummings, San Fransisco.
- Biology 111 **Laboratory Manual.**

Prerequisites: successful completion of Biol 111.

Corequisites: Chem 121 or 122 are strongly recommended

This course has been designed for students who plan to continue in biology and who are aiming towards the completion of a B.Sc.

Laboratory Sessions:

The laboratory component is an essential part of the course. Students are expected to attend each, entire laboratory session, bringing both their textbook and laboratory manual. Some laboratory sessions will reinforce and elaborate on lecture material. Other laboratory sessions will present material that is best learned in the laboratory and so will not be covered in the lectures.

Evaluation:

First midterm examination	10%
Second midterm examination	10%
Group project.....	10%
Final examination.....	40%
Laboratory component	30%

Note: Final grades will be assigned as percentages. Normally, if either the lecture or laboratory component of the course is failed, the maximum possible grade will be 49%. Students missing exams or assignments must provide documented evidence of a medical or compassionate reason for doing so or receive a mark of 0% for that assignment or examination.