

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: BIO 270

Credits: 4

Course Title: General Ecology

Course Description (including lecture hours, lab hours, total contacts)

Studies interrelationships between organisms and their natural and cultural environments with emphasis on populations, communities, and ecosystems. Lecture 3 hours. Recitation and laboratory 3 hours. Total 6 hours per week.

General Course Purpose

The content covered in this course is equivalent to that of an introductory, college-level, ecology course. Credit for this course satisfies the requirement of a science laboratory class for the AS in Science degree.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

Prerequisites: BIO 101 and BIO 102 or school approval.

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Understand environmental science
- b. Use critical thinking skills to evaluate scientific and technical issues both personally and more globally.
- c. Understand key concepts of biology, chemistry, and physics and relate them to social, political and ethical issues

Major Topics to be Included

- a. Ecosystems
- b. Populations
- c. Communities

Effective Date of Course Content Summary (Month, Date Year): 02/16/09