

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

**Course Prefix and Number:** BIO 270

**Credits:** 3

**Course Title:** General Ecology

**Course Description:** Studies interrelationships between organisms and their natural and cultural environments with emphasis on populations, communities, and ecosystems. Prerequisites: BIO 101 and 102 or departmental approval. Lecture 2 hours. Recitation and laboratory 3 hours. Total 5 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 and Co-requisites:**

Prerequisites: BIO 101 and BIO 102 or departmental approval.

**Student Learning Outcomes:**

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; and
- 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

**Date Created/Updated (Month, Day, Year):** January 23, 2019