

**San José State University**  
**College of Social Science/Department of Biology**

	45am-12:45pm Online (via zoom): By appointment
Class Days/Time:	SEC 01: 2/14; in person after 2/14) SEC 02: Tu/Th 3:00 – 4:15pm (online until 2/14; in person after 2/14)
Classroom:	SEC 01: Dudley Moorhead Hall (DMH) 164 SEC 02: Dudley Moorhead Hall (DMH) 164
GE/SJSU Studies Category:	B2

**Course Description**

The purpose of this course is to give you the basic skills and knowledge necessary to critically examine biological and environmental issues. Living systems are in a constant state of change, both as a result of natural processes and human activities. The course materials emphasize the understanding and use of the scientific method and the analysis of conflicting data and viewpoints. Students will use life science information to analyze environmental issues and debates by considering scientific consensus and the weight of scientific evidence.

This course is, at its heart, a biology course. What makes it different is the application of the material to environmental issues. These two subject areas are **Life Science** and **Environmental Science**. The course focuses on: a) structures and functions of living organisms; b) levels of organization of living systems - from atom to planet; c) strategies for survival and reproduction; d) patterns of evolution; e) principles of genetics, including basis for variation; and f) interaction of organisms with the natural environment.

## **Learning Outcomes**

### **Program Learning Outcomes (Environmental Studies)**

- 1) Students are able to write a logical analytical paper using good writing style and construction, supported by appropriate research. Assignments will require students to understand and



include in your assignment any material you have submitted, or plan to submit for another class, please note that University Academic Integrity Policy F15-7 requires approval of both instructors.

### **Resources for Students**

There are many resources on campus available to you. Some examples include: SJSU Peer Connections Center, the College of Social Science Access Center, SJSU Writing Center, SJSU Computing Services, SJSU Counseling and Psychological Service, SJSU Student Health Center, the Academic Success Center, and many places to use or get help with technology. See the [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/> for more info or come see me.



<http://www.sjsu.edu/gup/syllabusinfo/>". Make sure to visit this page, review and be familiar with these university policies and resources.

## **COVID**

All students are expected to comply with campus/CSU policies regarding covid precautions. Review the University policies and directives and the resources below to ensure that you understand and follow current policies and guidelines.

All individuals, regardless of vaccination status, are required to wear masks when indoors in public settings, including:

- campus facilities, and
- shared vehicle for a university-sponsored activity.

## Grading Information


Your grade will be based on your quizzes, exams, assignments, and class participation. Total points possible may change based on progress of the semester.

### Grading Overview and Assessment of Learning Objectives

Quizzes (4)	60	CLO #1, 2, PLO #2, GELO #1, 2, 3
Exam 1	75	CLO #2, 3, PLO # 2, GELO #1, 2, 5, 6
Exam 2	75	CLO #2, 3, PLO #2, GELO #1, 2, 5, 6
Env. Science Topics (3)	60	CLO #3, PLO #1, 2, ILLO# 1, 2, 3, GELO # 2, 3, 4, 5, 6
Ecology Assignment	25	CLO #1, 2, 3, GELO #4, 5, 6
Evolution Assignment	25	CLO #2, GELO #5, 6
Sustainability Assignment	25	CLO #2, GELO #5, 6
Field Trip Write-Up	30	CLO #2, 3, GELO #1, 5, 6
Participation/Discussion	75	CLO #1, 2, 3 PLO #2, GELO #1, 2, 3, 4, 5, 6

**Date**



<b>Date</b>	<b>Class Topics/Activities</b>	<b>Readings/Viewings</b>	<b>Participation Activities</b>	<b>Assignments and Quizzes Due</b>
	Genetics & Heredity cont:			