Goal 3: To offer students integrated, multidisciplinary, and innovative study in which they pose challenging questions, address complex issues, and develop cooperative and creative responses.

More information about the General Education Program Learning Outcomes (PLOs) can be found on the <u>GE website</u> (<u>https://sjsu.edu/general-education/ge-requirements/overview/learning-outcomes.php</u>).

Ocourse Goals

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 methoeg

Availability: Campus Bookstore

Additional Readings

Available on Canvas.

Other Technology Requirements/Equipment/Materials

You will need access to a computer with Microsoft Word and the Internet.

Library Liason

Peggy Cabrera (<u>peggy.cabrera@sjsu.edu</u> or 408-808-2034) is the Library Liaison for the Department of Environmental Studies. She is a great resource who is available at the Reference Desk in MLK Library Tuesdays 11am-1pm, or by appointment.

⇐ Course Requirements and Assignments

I expect all students to be prepared and actively participate in ALL scheduled meeting times and Canvas course modules. Preparation for the lecture involves reading the assigned material before class. This will help you understand and remember the material that I go through during in person via Zoom and online Canvas c re

Final Examination or Evaluation

One midterm and one final exam will be given to test your understanding of the material presented in the lectures, readings, and in-class activities. The final will be cumulative and partially based on the midterm. The exams will constitute a large portion of your grade. Please do not miss an exam as you will not have the opportunity to make it up. Make-up exams may be considered for legitimate and documented circumstances (i.e., medical emergency, death in the family) with proper documentation.

More details can be found in University policy S17-1 (http://www.sjsu.edu/senate/docs/S17-1.pdf

(http://www.sjsu.edu/senate/docs/S17-1.pdf)) which states that "Faculty members are required to have a culminating activity for their courses, which can include a final examination, a final research paper or project, a final creative work or performance, a final portfolio of work, or other appropriate assignment."

✓ Grading Information

Extra Credit

If appropriate, there may be an extra credit assignment for this course.

Penalty for Late or Missed Work

Assignments are due on the date given as a due-date on Canvas. Assignments turned-in later than the due date/time will have 10% subtracted from the overall score for each day late (starting immediately after the time the assignment is due), and assignments that are three or more days late will not be accepted or graded. If four or more assignments are turned in late you will not pass this class. There are no late quiz or exam allowances or extensions unless you have a University sanctioned excused absence. If you are going to miss class due to an excused absence, please let the instructor know as soon as possible and ideally a week in advance of your **abb**ence.

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Your grade will be based on your exams, assignments, and class participation. All assignments are to be turned in through Canvas before the specified ee instred eipatii you haseb At

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	С	73% to 76%	Point Spread: 588-619
	C-(minus)	70% to 72%	Point Spread: 564-587
	D+ (plus)	67% to 69%	Point Spread: 539-563
	D	63% to 66%	Point Spread: 507-538
	D- (minus)	60% to 62%	Point Spread: 483-506
	F	59%	Point Spread: 482 & Below

🟛 University Policies

Per <u>University Policy S16-9 (http://www.sjsu.edu/senate/docs/S16-9.pdf)</u>, relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance, counseling, and other resources) are listed on <u>Syllabus Information web page</u> (<u>https://www.sjsu.edu/curriculum/courses/syllabus-info.php</u>) (https://www.sjsu.edu/curriculum/courses/syllabus-info.php). Make sure to visit this page to review and be aware of these university policies and resources.

📅 Course Schedule

This is a tentative schedule for the class and is subject to change. It is the student's responsibility to keep up to date with changes in the class schedule. Quizzes and Canvas discussions are not listed. Assignments are due to Canvas by 11:59pm on the assigned date unless otherwise posted. Additional readings will be assigned throughout the semester and posted on Canvas.

When	Торіс	Notes
Week 1	Introduction to course, what is science? / Hypothesis testing, theories, evaluating evidence and sources	Readings: • Syllabus and other course materials

When	Торіс	Notes
Week	The diversity of life / Evolution and the tree of life	Readings:
4		 Ch. 12.11 Ch. 7.1, 7.4-7.9
		Assignments:
		GV Icebreaker Summary
Week	Team meeting / Natural selection	Readings:
5		• Ch. 7.2-7.3
Week 6	Species concepts / Darwin documentary	Readings:
0		• Ch. 7.10-7.13
		Assignments:
		GV Individual Topic Paper
Week	Genetics / Genetic Engineering	Readings:
7		• Ch. 5
		• Ch. 6
		Assignments:
		Darwin Questions
Week 8	Population growth / Biomes, biomes activity	Readings:
		 Ch. 12.1-12.6 Ch. 12.12-12.13
		Assignments:
		GV Conversation #2 Summary
Week 9	Midterm	
Week	Biodiversity	Readings:
10		• Ch. 8-9, Ch. 12.9
		Assignments:
		GV Project Draft
	Team meeting / Conserving biodiversity	Readings:
11		• Ch. 10, Ch. 12.10
Week 12	Sea otter case study / Water and nutrient cycles	Readings:
		• Ch. 12.14-12.16
		Assignments:
		GV Project Peer ReviewSea Otter Case Study