

Life on a Changing Planet Section 03

Spring 2024 3 Unit(s) 01/24/2024 to 05/13/2024 Modified 01/23/2024

Contact Information

	Jagruti Vedamati
	On Campus – DMH 164 Virtual Office: Zoom meetings by appointment
	ENVS main office: (408) 924-2772 (please leave message)
	jagruti.vedamati@sjsu.edu or Canvas messenger
	Online Zoom: Mon/Wed by appointment
	Sec 03: TThu 12:00 pm - 1:15 pm
	Dudley Moorhead Hall (DMH) Rm164
	B2

Course Description and Requisites

An introduction to basic knowledge and theory in the life sciences, focusing on the theme of environmental change. Examines challenging issues in biology and methods for evaluating conflicting data and claims. Develops students' analytical and writing skills. GE Area: B2

Prerequisite: As required for Core GE courses in B2.

Letter Graded

* Classroom Protocols

Academic Integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy F15-7](http://www.sjsu.edu/senate/docs/F15-7.pdf) at <http://www.sjsu.edu/senate/docs/F15-7.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>. Instances of academic dishonesty will not be tolerated. _____ (_____ , _____) _____ . For this class, all assnd sNssn

<http://www.sjsu.edu/senate/docs/F15-7.pdf>

<http://www.sjsu.edu/studentconduct/>

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http://www.sjsu.edu

Recycle a paper you wrote for another class.

Copy from a classmate or use someone else's work as if it were your own.

Use technology or smuggle in documents to obtain or check information in an exam situation.

In writing a paper, it is always better to include too many references than not enough. When in doubt, always err on the side of caution. If you have any questions or uncertainty about what is or is not cheating, it is your responsibility to ask your instructor.

AI (Artificial Intel

Like the calculator, AI is here to stay. It will just be up to us as ethical members of the academic community to discern how, when, and where it's appropriate to use."

Resources for Students

There are many resources on campus available to you. Some examples include: SJSU P



communities and the environment

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 [GE website \(https://sjsu.edu/general-education/ge-requirements/overview/learning-outcomes.php\)](https://sjsu.edu/general-education/ge-requirements/overview/learning-outcomes.php).

Course Goals

Course Learning Outcomes (CLOs)

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This is a Category B2 General Education course, and as such, students will develop and demonstrate the following objectives:

- Demonstrate knowledge of scientific ^{Gene}ation this a develop or nova

Course Materials

This book is available through the bookstore or from online retailers.

Additional readings, videos, and other course materials will be available on Canvas.

Other technology requirements / equipment / material

You will need access to a computer with an internet connection, Microsoft Word, Powerpoint, Canvas, YouTube and Zoom

See

Syllabus www.sjsu.edu/senat/committees/information

Week	Date	Class Topics/Activities	Readings/Viewings	Assignments and Quizzes Due
5	Tue Feb 20th	Biogeochemical Cycles: Water & Nutrients	C12: Sec 12.15-16	
5	Thu Feb 22nd	Biogeochemical Cycles: Water and Nutrients		(Last day Add/Drop)
6	Tue Feb 27th	Ecology 1: Populations, Interactions, Energy Flow	C12: Sec 12.1-12.6	Quiz 1
6	Thu Feb 29th	Ecology 2: Populations, Interactions, Energy Flow	C12: Sec 12.7-12.8	
7	Tue Mar 5th	Ecology 3: Populations, Interactions, Energy Flow	C12: Sec 12.9, 12.14	
7	Thu Mar 7th	Case Study: Sea Otter class activity		In Class Activity

Week	Date	Class Topics/Activities	Readings/Viewings	Assignments and Quizzes Due
8	Tue Mar 12th	Ecology: SOCS complete		
8	Thu Mar 14th	Ecology:Ecosystems & Biomes	C12: Sec 12.11-13	
9	Tue Mar 19th	Ecology: Biomes activity		Ecology Assignment due In Class Activity
9	Thu Mar 21st	Ecology: Finish Biomes/Exam Review		
10	Tue Mar 26th	EXAM 1		
10	Thu Mar 28th	Genetics & Heredity	C5, C6	
11	Tue Apr 9th	Evolution & Diversity of Life	C7	Science Topic 2 Due

Week	Date	Class Topics/Activities	Readings/Viewings	Assignments and Quizzes Due
15	Tue May 7th	Sustainability Concepts	C12: Sec 12.17	
15	Thu May 9th	Environmental Ethics and Social Justice		Sustainability Assignment Due
16	Tue May 14th	Last Day Class - In class discussion		