

## Course and Contact Information

<b>Instructor:</b>	Rachel Lazzeri-Aerts
<b>Class Days/Times/Location:</b>	Lect: Mon/Wed 1:30-2:45pm Lab: Tue/Thur 9:00-10:15am Access all class Modules, materials, assignments through Canvas LMS Lecture meetings via Zoom Lab Meetings: WSQ 113
<b>Contact Me:</b>	Canvas Messages/Inbox (preferred) or <a href="mailto:rachel.lazzeriaerts@sjsu.edu">rachel.lazzeriaerts@sjsu.edu</a>
<b>Office Hours:</b>	after class and by appointment
<b>Prerequisites:</b>	ENVS 001, ENVS 010, STAT 95

## Course Overview and Description

Quantitative analysis of Earth's natural resources. Topics typically include the status and trends of resources such as topsoil, agriculture, water, energy, wildlife and the impacts of human population growth on these resources. Emphasis is on problem solving and computational methods applied to resource management problems. Prerequisite: ENVS 1, ENVS 10, STAT 95.

Natural resources include all of the materials that we use to sustain our lives, build our civilizations, and create the luxuries and entertainments that we enjoy. There is nothing that we have that does not originate from the earth, from the sea, or from the sky. In an era of super-abundance it is easy to lose touch with the importance of these resources and the processes that renew them, but as resources become scarce our dependence on them is apparent. Human populations are increasing globally, escalating the pressure on limited resources. Throughout much of human history our response to natural resource deficits has been post-hoc, and reactionary. Our growing understanding of resource use on a global scale gives us an opportunity for conscious stewardship, not only of individual resources, but of the ecological cycles and processes that allow for sustainea(i)7(ne)7wing undessur50



Please note that I do not provide technical help beside instructions on how to access or utilize a particular application. If you need computer or technical help, please utilize the following resources:

[Student Canvas Help Guide](#)

[SJSU Information Technology](#)

- o [itservicedesk@sjsu.edu](mailto:itservicedesk@sjsu.edu)
- o 408-924-1530

-side menu for several options.

## **Library Liaison**

Peggy Cabrera ([peggy.cabrera@sjsu.edu](mailto:peggy.cabrera@sjsu.edu) or 408-808-2034) is the Library Liaison for the Department of Environmental Studies. She is a great resource. Email her for help via email or to set up a Zoom appointment.

## **Course Requirements and Assignments**

### **Class Format**

The lecture portion of this course will be completely online through Canvas, the Learning Management System used by SJSU. The lab portion of the course will have both in-person and online components. Class content, readings, video lectures, assessments, activities, and exams will be organized into Modules by topic. The course is designed to expand and grow with each Module, and many sections will refer back to previous Modules. Complete the tasks in the order presented to get the most out of the course.

While most of the material can be done at a time of your choosing, there are specific due dates for activities, assessments, discussions, and exams. You must complete these components at the due date and time. Late work is not accepted. Additionally, there will be required Zoom meetings most weeks for lecture, and in-person and/or Zoom lab meetings every week. All meetings (Zoom and in-person) will be during our scheduled class time. Exact dates are provided in the Course Schedule.

### **Student Responsibilities**

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

It is your responsibility to access the Canvas course, come prepared to lab meetings, engage thoroughly with each Module and associated components, carefully read directions, prepare thoughtful submissions for assignments, discussions, and activities, submit all assignments on-time, and make a commitment to quality work in this course. If you are in doubt about something in the course, ask! Utilize the Question Café Discussion board, send me a Canvas Message, or attend office hours.

### **Assignments**

There will be varying types of assessments, activities, labs, and assignments throughout the course. These assignments are designed to aid in your understanding of the course material, as well as develop skills in evaluating, analyzing, and communicating information about science and environmental issues. Assignments may include low stakes short quizzes, lab reports, other written work, short video responses and discussions via in-person labs, and other activities to apply course concepts to real world examples. The culminating project for the course will be designing and completing a research project on a natural resource related topic of your choice.

### **Exam**

One final exam will be given to test your understanding of, and ability to apply, the material presented. The exam will be cumulative, and may consist of multiple choice, true-false, matching, analysis, and short answer questions. Please do not miss the exam as you will not have the opportunity to make it up. Make-up exams may be considered for legitimate and documented circumstances (medical emergency, death in the family).

**Participation**

Students will be expected to actively participate in their learning. This means that you must actively engage with the material presented in the Canvas Modules. Do the reading. Watch the videos. Think about the questions presented to you. Additionally, as much of this course is based on activities, presentations, and

**Extra Credit**

Students are responsible for recording the details of any offered extra credit assignments.

Additionally, the accessibility statements and resources (as available) for websites, software, and tools that we will be using in the course can be found at the links below.

[Canvas](#): Learning Management System used by SJSU

[Canvas Studio](#): audio/video recording tool within Canvas LMS

[Google](#): SJSU email, calendar, and online tools

[Turnitin](#): plagiarism check tool used in Canvas LMS

[YouTube](#): video hosting/viewing

[Zoom](#): synchronous web conferencing

## Academic Integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University's [Academic Integrity Policy F15-7](#) 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](#) has more information. Instances of academic dishonesty will not be tolerated. **Cheating or plagiarism (presenting the work of another as your own, or the use of another person's work)** **sanctions by the University.** For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include in your assignment any material you have already used, you must get approval of both instructors.

## COVID

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

[SJSU Health Advisories](#) main page

[SJSU Health Advisories: Vaccination](#) page has information regarding campus and CSU vaccination and/or testing policies

[SJSU Health Center: Vaccine Requirements](#) page includes additional information about vaccine requirements, reporting, etc.

[SJSU Symptom Check Tool](#) allows you to do a quick self-check for symptoms

[SJSU Health Advisories: Resources](#) page contains links to COVID-related information from both the university and outside sources

## Consent for Recording of Class and Public Sharing of Instructor Material

Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. [University](#)

[Policy S12-7, http://www.sjsu.edu/senate/docs/S12-7.pdf](http://www.sjsu.edu/senate/docs/S12-7.pdf)

Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without the instructor's approval. You may not publicly share or upload any course material.

## 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 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](#) for more info. If you are not sure where to get assistance, please email me/come see me. I can help you find the right campus resources and get you connected with them.

### *SJSU Cares*

Students experiencing challenges meeting their basic needs including, but not limited to, access to food, shelter, and a safe space are encouraged to contact SJSU Cares. The SJSU Cares program can help connect students to both on and off campus resources. Contact information:

[SJSU Cares Information website](#)

[sjsucares@sjsu.edu](mailto:sjsucares@sjsu.edu)

408-924-1234

Direct link to the [Request Assistance Form](#)

### *Accessible Education Center (AEC)*

The Accessible Education Center is committed to redefining ability for students with disabilities by providing comprehensive services in support of the educational development and success of students with disabilities in a student-centered and professional environment. To receive appropriate accommodations for temporary or permanent disabilities, you must register with the AEC. Additionally, please make an appointment with me as soon as possible, so we can discuss the best ways to implement your accommodations to ensure your success in the course. AEC contact information:

[AEC website](#)

[aec-info@sjsu.edu](mailto:aec-info@sjsu.edu)

408-924-6000

### *Counseling and Psychological Services (CAPS)*

The SJSU Counseling and Psychological Services is located on the corner of 7th Street and San Carlos in the new Student Wellness Center, Room 300B. Professional psychologists, social workers, and counselors are available to provide confidential consultations on issues of student mental health, campus climate, or psychological and academic issues on an individual, couple, or group basis. Numerous workshops for students are offered every semester. Hours are Monday through Friday 8:30am to 5:30p20(t)7(o 5(e)7(rous){ )JTJ0 GAo96s,70.0