

San José State University
College of Social Science/Department of Environmental Studies
ENVS 110 Natural Resource Analysis (47594), Fall 2019

Course and Contact Information

Instructor:	Rachel Lazzeri-Aerts
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Office Hours:	Monday 10:30—11:30am, Thur 11:45am—12:45pm, and by appointment
Class Days/Time:	Lec: Mon 12:00-2:45pm; Lab: Tue/Thur 9:00-10:15am OR 10:30-11:45am
Classroom:	Lecture: DMH 164 Lab: WSQ 113
Prerequisites:	ENVS 001, ENVS 010, STAT 95

Course 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.

Course Overview

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 sustainable productivity over the long term.

Course Learning Outcomes (CLO)

This course has been designed to help students explore and analyze issues related to natural resource management. We will survey topics related to the management of traditional renewable resources such as timber, soils, and fisheries. We will also discuss the ramifications of global economic dependence on non-renewable resources such as petroleum, coal, and uranium. In order to be effective as environmental scientists we must understand the issues surroundin

News Articles:

Grading Information

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

Grading Overview

Assignment	Point Value	Course Grade	Points Needed
Weekly Quizzes	180 (20 each)	A+	97%-100%
News Article	20	A	93%

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. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only.

Additionally, course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, homework solutions, in-class audio/video recordings, etc without instructor consent.

See [University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf) at <http://www.sjsu.edu/senate/docs/S12-7.pdf>.

Academic Integrity