

**San José State University**  
**ENVS/ECON 107, Environmental Economics and Policy**  
**Spring 2016**

<b>Instructor:</b>	Duran Fiack
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<b>Office Hours:</b>	Tuesday & Thursday 1:30-2:30 pm or by appointment
<b>Class Days/Time:</b>	T/TH 12:00 - 1:15 pm
<b>Classroom:</b>	Clark Hall 303
<b>Prerequisites:</b>	ECON 1B or Instructor Consent

**Course Goals and Student Learning Objectives**

This course is designed to engage students with concepts of environmental and ecological economics, and provide a firm understanding of environmental economics and its applications to environmental issues. Economic thinking is integral to the way societies engage with problems, and understanding the way that decisions are made, and the factors that go into decision making, is at the heart of economic approaches to such problems.

Throughout the semester we will review basic economic concepts, and examine the way environmental and ecological economists adapt neoclassical economic tools to environmental issues. Topics include property rights and externalities, natural resource valuation, exhaustible and renewable resources, and sustainable development.

We will review, criticize, extend, and develop the basic economic tools that all students of environmental policy must understand. It is equally critical to understand how economics can be used as an ideological tool to protect special privileged interests and to defend unsustainable strategies of “business as usual.” In this course we will explore political and economic aspects of the use and abuse of renewable and non-renewable resources. Given the increasingly serious worldwide human impact on the environment, it is hard to overstate the importance of this topic.

Throughout the semester, we will also work on learning basic functions of Excel (or whatever your preferred spreadsheet software is). In the past I found out that most students had a very vague notion of how to use spreadsheet software, and it will be critical that you learn how to use it for this course, as well as for the future.

## **Canvas**

All coursework, all readings, all lectures, etc., will be published on the course Canvas page. You can access Canvas here <https://sjsu.instructure.com/>, for help with logging into Canvas please see <http://www.sjsu.edu/at/ec/docs/Canvas-Student%20Login%20Information.pdf>.

Your first assignment is to create a profile on Canvas including a picture of your face, clearly visible.

## **Course Description**

### *Catalog description*

Analysis of basic economic and political factors related to the environmental crisis. Surveys policy approaches to the problem: regulation, taxes, subsidies, benefit-cost analysis.

## **Required Texts/Readings**

**Harris, J.M. and B. Roach. 2014. *Environmental and Natural Resource Economics: A Contemporary Approach* (3rd Edition). Routledge:New York, New York.**

## **Other Readings**

Additional readings will be made available to students electronically on Canvas. These readings will be assigned during the semester. It is your responsibility to pay attention to announcements on additional readings, which will be made in class.

Do the reading; succeeding in the course will be difficult otherwise.

## **Classroom Protocol**

The course will use the Canvas learning management system for announcements, readings, assignments, uploads of instructor presentations. You are responsible for regularly checking the course's web page.

## **Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's Catalog Policies section at <http://info.sjsu.edu/static/catalog/policies.html>.

Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage at [http://www.sjsu.edu/provost/services/academic\\_calendars/](http://www.sjsu.edu/provost/services/academic_calendars/).

The Late Drop Policy is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>.

Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at <http://www.sjsu.edu/advising/>.

## Assignments and Grading Policy

This is a participation-intensive course that relies on your consistent and active engagement. In case of an emergency, please do everything in your power to contact me prior to missing class or assignments. I will only accept late work in cases of extreme medical or family emergency.

**Homework assignments (300 pts):** There will be a series of homework assignments throughout the semester that you will complete and submit on Canvas. You are responsible for accessing Canvas and completing assignments by the due date.

I will drop the lowest score from your total. Excel assignments will be part of this grade.

**Participation (100 pts):** The course requires participation in class. Participation includes being prepared for class (completing readings assigned for that day), participating in class discussion, doing well on pre-class quizzes, and most importantly asking questions and participating in discussions during class.

**Midterm (250 pts):** The midterm will assess your understanding of the course material, including readings, homework assignments, and lectures.

**Final (350 pts):** The final will assess your understanding of the course material, including readings, homework assignments, and lectures. The final exam will be cumulative, but will focus heavily on the second half of the class.

Letter grades will be assigned according to the following point scale:

A	925-1000 points	B-	795-824 points	D+	665-694 points
A-	895-924 points	C+	765-794 points	D	625-664 points
B+	865-894 points	C	725-764 points	D-	595-624 points
B	825-864 points	C-	695-724 points	F	0-594 points

At SJSU, students are expected to spend at least two hours outside of class for every one hour of in-person class time. Because this is a three-unit course, you can expect to spend a minimum of five hours per week completing class-related assignments in addition to the in-person class meetings. Assignments include reading for class, homework assignments, preparation for exams, and occasional pre-class quizzes. These assignments may require work beyond the minimum 5-hours of work outside the classroom. Careful time management will help you keep up with readings and assignments and enable you to succeed in all your classes.

## **University Policies**

### **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*, located at <http://info.sjsu.edu/static/catalog/integrity.html>, 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 is available at <http://www.sjsu.edu/studentconduct/>.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and 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 your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's *Academic Integrity Policy* requires approval of instructors.

### **Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at [http://www.sjsu.edu/president/docs/directives/PD\\_1997-03.pdf](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at <http://www.sjsu.edu/aec/> to establish a record of their disability.

### **Student Technology Resources (Optional)**

Computer labs for student use are available in the Academic Success Center at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

### **SJSU Peer Connections (Optional)**

Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment

basis. Workshops are offered on a wide variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space is also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10<sup>th</sup> and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit Peer Connections website at <http://peerconnections.sjsu.edu> for more information.

### **SJSU Writing Center (Optional)**

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the Writing Center website at <http://www.sjsu.edu/writingcenter>.

## ENVS/ECON 107 / Environmental Economics and Policy

*This schedule is subject to change with fair notice via Canvas and/or email and/or class announcement.*

### Course Schedule

Date	Topic	Readings
January 28	Course Overview	SYLLABUS
February 2	Introduction to Neoclassical Economics	H. & R. CH 1
February 4	Basic Economics: Supply and Demand	H. & R. CH 1
February 9	Basic Economics: Markets, Assumptions	H. & R. CH 1
February 11	Wealth, Growth and Sustainability	H. & R. Ch. 2
February 16	Introduction to Environmental & Ecological Economics	TBD
February 18	Introduction to Environmental Policy	TBD
February 23	Intro to Excel	<b>BRING LAPTOP</b>
February 25	Externalities & Property Rights	H. & R. Ch. 3
March 1	Property Rights & Public Goods	H. & R. Ch. 4
March 3	Resource Allocation Over Time	H. & R. Ch. 5
March 8	Valuing the Environment	H. & R. Ch. 6
March 10	Valuing the Environment	H. & R. Ch. 6
March 15	Ecological Economics: A different path	H. & R. Ch. 7
March 17	Ecological Economics: Accounting	H. & R. Ch. 8
March 22	<b>REVIEW</b>	
March 24	<b>MIDTERM EXAM</b>	
<b>March 29</b>	<b>SPRING RECESS</b>	
<b>March 31</b>	<b>SPRING RECESS</b>	
April 5	Issues in Env. Econ: Population	H. & R. Ch. 9
April 7	Issues in Env. Econ: Agriculture	H. & R. Ch. 10
April 12	Issues in Env. Econ: Non-renewable resources	H. & R. Ch. 11
April 14	Issues in Env. Econ: Energy future	H. & R. Ch. 12
April 19	Issues in Env. Econ: Fisheries	H. & R. Ch. 13
April 21	Issues in Env. Econ: Forests	H. & R. Ch. 14
April 26	Issues in Env. Econ: Water	H. & R. Ch. 15
April 28	Issues in Env. Econ: Pollution	H. & R. Ch. 16
May 3	Issues in Env. Econ: Greening the economy	H. & R. Ch. 17
May 5	Issues in Env. Econ: Climate Change	H. & R. Ch. 18 & 19
May 10	Issues in Env. Econ: World trade	H. & R. Ch. 20
May 12	<b>REVIEW</b>	
<b>FINAL</b>	<b>Friday, May 20 9:45-12:00</b>	