



SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): Academic Affairs	Academic Organization (Department): Honors Program	Date: March 15, 2008
Type of Course Proposal: New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	Department Chair: Dr. Roberto D. Pomo	Submitted by: Dr. Roberto D. Pomo
Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	For Catalog Copy: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CCE (Extension): Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Semester Effective: Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> , 2008

This course replaces experimental course Subject Area (prefix) and Catalog Nbr (course number):

Change from:

Subject Area (prefix) & Catalog Nbr (course no.):	Title:	Units:
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Change to:

Subject Area (prefix) & Catalog Nbr (course no.): HONR 101H	Title: SCIENCE AND THE PUBLIC GOOD	Units: 3
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JUSTIFICATION:

HONORS 101 FULFILLS GENERAL EDUCATION UPPER DIVISION REQUIREMENTS FOR SACRAMENTO STATE GENERAL EDUCATION HONORS PROGRAM CURRICULUM.

NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/acaf/univmanual/crspsl.htm> - Guidelines for Catalog Course Description)

HONR 101. Science and the Public Good. This course examines the science and public policy decisions surrounding natural disasters and natural resources. Topics to be considered include floods, hurricanes, volcanic eruptions, earthquakes, and energy resources.

Note:

Prerequisite:
Enforced at Registration: Yes No

Corequisite:
Enforced at Registration: Yes No

CAN (California Articulation Number):

Graded: Letter Credit/No Credit Instructor Approval Required? Yes No

Course Classification (e.g., lecture, lab, seminar, discussion):
Lecture Title for CMS (not more than 30 characters)
Science and the Public Good

Cross Listed? Yes No If yes, do they meet together and fulfill the same requirement, and what is the other course.

How Many Times Can This Course be Taken for Credit? Once

Can the course be taken for Credit more than once during the same term? Yes No

FOR NEW COURSE PROPOSALS OR SUBSTANTIVE CHANGES ONLY:

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc." See the example at <http://www.csus.edu/acaf/example.htm>

Upon successfully completing this course, students will be able to:

- Evaluate natural hazards in different settings in California, the United States and the world.
- Analyze the impact of global climate change on natural disasters and resources
- Critically evaluate social responses to natural hazards with reference to social vulnerability among different demographic groups
- Evaluate the economic, environmental, health and strategic costs of various sources of energy, including petroleum, coal, solar, wind, nuclear, geothermal and other sources.
- Evaluate the risks and benefits of hazard prediction.
- Analyze the issues surrounding disaster insurance and critically evaluate different approaches to managing risks from natural disasters.

**Attach a list of the required/recommended course readings and activities [Note: it is understood that these are updated and modified as needed by the instructor(s).] This attachment should be forwarded only to your Dean's office, not Academic Affairs.

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above:

Exams, paper, presentation, short response papers, and homework assignments.

For whom is this course being developed?

Majors in the Dept ___ Majors of other Depts ___ Minors in the Dept ___ General Education Other Honors Program

Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes No ___

If yes, identify program(s): GENERAL EDUCATION HONORS PROGRAM

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer facilities, faculty, etc.)? Yes ___ No

If yes, attach a description of resources needed and verify that resources are available.

Indicate which department or programs will be affected by the proposed course (if any). HONORS PROGRAM

The Department Chair's signature below indicates that affected programs have been sent a copy of this proposal form.

Approvals: If proposed change, new course or deletion is approved, sign and date below. If not approved, forward without signing to the next reviewing authority, and attach an explanatory memorandum to the original copy.

Signatures:

	Date
Department Chair: <u>[Signature]</u>	<u>3-20-2008</u>
College Dean or Associate Dean: <u>[Signature]</u>	<u>3-20-2008</u>
CPSP (for school personnel courses ONLY)	
Associate Vice President and Dean for Academic Programs	

Distribution: Academic Affairs (original), Department Chair and College Dean. Dean's office to send original after approval to Academic Affairs, at mail zip 6016. An electronic copy must also be sent.

Honors 101: Science and the Public Good

Savage Earth: Science and Public Policy

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Catalog Description: HONR 101. Science and the Public Good. This course examines the science and public policy decisions surrounding natural disasters and natural resources. Topics to be considered include floods, hurricanes, volcanic eruptions, earthquakes, and energy resources.

Specific Learning Objectives: Upon successfully completing this course, students will be able to:

- Evaluate natural hazards in different settings in California, the United States and the world.
- Analyze the impact of global climate change on natural hazards and resources
- Critically evaluate social responses to natural hazards with reference to social vulnerability among different demographic groups
- Evaluate the economic, environmental, health and strategic costs of various sources of energy, including petroleum, coal, solar, wind, nuclear, geothermal and other sources.
- Evaluate the risks and benefits of hazard prediction
- Analyze the issues surrounding disaster insurance and critically evaluate different approaches to managing risks from natural disasters

Format: The class will combine lecture and small group work, including in-class debates and simulations. Because much of the material will be learned through discussion and group problem-solving, **faithful attendance is essential.**

Required texts:

Most of the reading for the course is from on-line sources. Reading assignments are posted at: the course web site.

In addition, you will be assigned one of the following books to read. With other students, you will present the book as a case study to the class:

Breach of Faith: Hurricane Katrina and the Near Death of a Great American City, by Jed Horne

Acts of God: the Unnatural History of Natural Disaster in America, by Ted Steinberg

A California Challenge: Flooding in the Central Valley

Required work: Your grade will be based on homework assignments, two exams and a paper and presentation.

Exams: There will be two exams. The exams will consist of several short answers (paragraph-length answers), and one or two longer essays. You will receive a list of potential exam questions two weeks before each exam. Each exam will test only material covered since the previous exam. There will be no comprehensive final.

Homework assignments: There are **three** kinds of homework assignments. **No work for the class will be accepted more than one week late, except under extraordinary circumstances.**

Topic Guides due regularly: Most topics have a Topic Guide with terms to define and questions to answer. You will find links to the Topic Guides on the Course Schedule. You must write out definitions for the terms and answers to the questions and e-mail them to me before class on the due date. Topic Guides are required but ungraded - by getting it checked off you earn all the available credit for each one. I will accept only **three** late Topic Guides, and **only one week late**.

Assignments due many weeks: In most weeks you will be assigned homework: either response papers, or pieces of a "Risk and Resource" journal. I will accept only **three** late Assignments, and **only one week late**. You may rewrite up to three assignments for a higher grade. **Late assignments count as rewrites.**

Response Papers: On the on-line Course Schedule, you will find links to response paper assignments. Each assignment includes a set of on-line readings and a question. Write a one-page response to the question (typed, of course). Late response papers will not be accepted, and there will be no makeups for these assignments. If you must miss class you can e-mail me your paper by class time on the day it is due. Response papers will be graded on a 10-point scale.

Risk and Resource journal: On the on-line Course Schedule (and on the Assignments page) you will also find links for assignments in which you will assess the risk you personally face from geologic hazards, and the amount of geological resources that you use. At the end of the semester, you will compile all these entries and write a short reflective essay.

Paper and Presentation: You will write a 6-8 page paper on an issue related to natural disasters or resources. You will choose the topic from a list provided in class and on the course web site.

The paper must be analytical, outlining both sides of the argument and coming to a conclusion. You will research your own sources for this paper. Details of the assignment for the paper are available on the [Paper Web page](#).

You will also be responsible for teaching this topic to the class. You will give a 15-20 minute presentation on the topic on an assigned day. This will be the only instruction the class will receive on this topic, so you are responsible for making sure your classmates learn the material. Your presentation will be due BEFORE the paper is due, so you must be prepared to get working on the topic early in the semester.

Grade Breakdown:

Assignments (including Topic Guides, Response papers and Problem sets)	30%
Paper	20%
Presentation	10%
Exams	40%
Total	100%