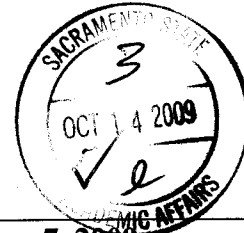




SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): SSIS	Academic Organization (Department): ENVS	Date: October 7, 2009
Type of Course Proposal: New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	Department Chair: Dudley Burton	Submitted by: Virginia Matzek
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"/> , 2010

This course replaces experimental course Subject Area (prefix) and Catalog Nbr (course number):	
If changing an existing course, should new version be considered a repeat of the original version? If so, the same Course ID will be maintained. If not, a new Course ID will be assigned. Note: In PeopleSoft terminology, the Course ID is the unique system identifier, not the Catalog Nbr.	Yes <input type="checkbox"/> No <input type="checkbox"/>

Change from:

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

Subject Area (prefix) & Catalog Nbr (course no.): ENVS 12	Title: The Joy of Garbage	Units: 3
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JUSTIFICATION:

This course is intended as an Area B5 (Further Studies) General Education course. Like our Area B2 GE Course, Introduction to Environmental Science (ENVS 10), it employs fundamental concepts from scientific disciplines in the service of learning about environmental problems and solutions. However, as is appropriate for a B5 course, it is more focused and gives greater depth to its subject, in this case, the ever-present problem of how we deal with the wastes we create. Also, it is intended to have data-gathering and data-analysis components that are not typically part of our ENVS 10 course, but are appropriate for a more advanced Further Studies course. This course was developed and taught for several years at Santa Clara University by Virginia Matzek; it has a proven track record of attracting students and being solidly grounded in scientific methodology.

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

Overview of environmental problems related to the essential human problem of waste management. Lectures and coursework apply foundational scientific concepts from chemistry, physics, and biology, as well as sociological, political, and archaeological evidence, in understanding issues like nuclear waste disposal, toxicological threats to human health, the economics of recycling, biogeochemical cycles, groundwater pollution, risk assessment, and landfill design. Required field trips.

Note:

Prerequisite: none Enforced at Registration: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Corequisite: none Enforced at Registration: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Graded: Letter <input checked="" type="checkbox"/> Credit/No Credit <input type="checkbox"/>	Instructor Approval Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Course Classification (e.g., lecture, lab, seminar, discussion): Lecture	Title for CMS (not more than 30 characters) Joy of Garbage
Cross Listed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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? 1	
Can the course be taken for Credit more than once during the same term? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

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>

Students will be able to:

- 1) understand the biological, chemical, and physical controls over the cycling of matter
- 2) participate in the design of experiments, collect data, and analyze the results
- 3) think critically about, and evaluate competing arguments on, proposed solutions to waste management problems

****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:

- Midterm and final exams will assess outcome #1, understanding of element cycling
- Lab reports (garbage journal & independent research project) will assess outcome #2, design and analysis of experiments
- Class discussions and homework will assess outcome #3, critical thinking about solutions

For whom is this course being developed?

Majors in the Dept Majors of other Depts Minors in the Dept General Education Other
 Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes No
 If yes, identify program(s): elective option in ENV5 B.S. (proposed) and B.A. (proposed)

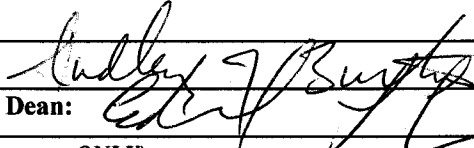
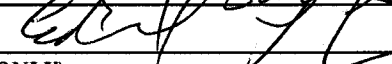
Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer facilities, faculty, etc.)? Yes No
 If yes, attach a description of resources needed and verify that resources are available.

Indicate which department or programs will be affected by the proposed course (if any). None, until it is proposed as a GE course

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: 	12 Oct 09
College Dean or Associate Dean: 	10-13-09
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.