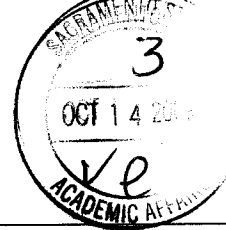




SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): SSIS	Academic Organization (Department): Environmental Studies	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: Dudley Burton
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 checked="" type="checkbox"/> No <input 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 187	Title: Risk Assessment and Toxicology Seminar	Units: 1
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JUSTIFICATION:

This seminar is an initial effort toward a Certificate Program in Environmental Toxicology. There is support for this program at Sac State from State of California agencies dealing with these issues because they will have many opportunities for employment in the next few years due to upcoming retirements. These agencies are also interested in encouraging internships after students have completed this seminar.

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)

Series of weekly seminars with practicing scientists, business people, and regulators to discuss theory, scientific and political issues, and applications of risk assessment methodology to several critical environmental issues in the State of California.

Note:

Prerequisite: CHEM 1A & ENVS 10
Enforced at Registration: Yes No

Corequisite:
Enforced at Registration: Yes No

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

Course Classification (e.g., lecture, lab, seminar, discussion):
Seminar **Title for CMS (not more than 30 characters):**
Risk Assessment & Toxicology

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? 2

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>

At the end of this course, students will be familiar with the analytical and political concepts supporting assessment and regulation of chemical risks, as well as the implementation and management of other environmental risks. Specifically, they will:

1. understand the importance of risk assessment in public policy;
2. be knowledgeable about the availability and use of resources for risk assessment, such as chemical data, exposure assessment, lab analysis, etc.;
3. be familiar with risk management planning and design;
4. be able to critically evaluate a risk mitigation plan;
5. understand the connection of public policy to technical risk management and mitigation efforts;
6. be familiar with local toxicological risk assessment efforts in the Sacramento Valley.

****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:

Outcomes 1-6 will be assessed by review of student notes and written comments on the seminars. A similar approach is used in our crosslisted environmental issues seminar, ENV5/BIOL 186B.

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 B.S./B.A.

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.

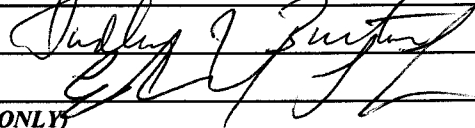
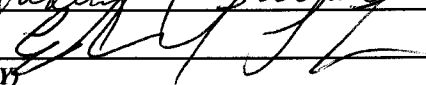
Indicate which department or programs will be affected by the proposed course (if any). _____

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.