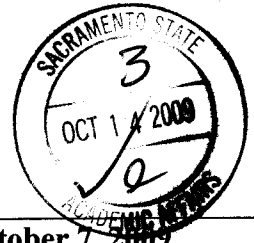




SACRAMENTO  
STATE

# Course Change Proposal Form A



<b>Academic Group (College):</b> SSIS	<b>Academic Organization (Department):</b> ENVS	<b>Date:</b> October 7, 2009
<b>Type of Course Proposal:</b> New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	<b>Department Chair:</b> Dudley Burton	<b>Submitted by:</b> Virginia Matzek
<b>Does this course fulfill a requirement for single-subject or multiple subject credential students?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>For Catalog Copy:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>CCE (Extension):</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Semester Effective:</b> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> , 2010

<b>This course replaces experimental course Subject Area (prefix) and Catalog Nbr (course number):</b>	
<b>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.</b>	Yes <input type="checkbox"/> No <input type="checkbox"/>

**Change from:**

<b>Subject Area (prefix) &amp; Catalog Nbr (course no.):</b>	<b>Title:</b>	<b>Units:</b>
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**Change to:**

<b>Subject Area (prefix) &amp; Catalog Nbr (course no.):</b> ENVS 144	<b>Title:</b> Sustainability in the Tropics	<b>Units:</b> 3
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**JUSTIFICATION:**

Much of the world's population, and especially its poorer people, live in the humid tropics, a region that has unique environmental challenges. Our students may read about subjects like deforestation in the Amazon or shrimp farms replacing mangroves in Thailand, but there is at present no course on campus, let alone in our department, that offers them a detailed and substantive look at the environment of the tropics. It is especially difficult to understand *biodiversity loss* and *population growth*—two subjects we talk about a lot in our major-- without an understanding of tropical subsistence agriculture and the legacy of colonial-era resource extraction in these nations. This course is intended to offer a solid grounding in relevant science topics; improve students' skills in reading and writing research papers; and foster in-depth discussion of possible solutions to tropical environmental problems from an interdisciplinary perspective.

**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)

Examines environmental issues specific to the tropics, where 40% of the global population now lives and the bulk of future population growth will occur. Emphasis is placed on the uniqueness of tropical ecosystems in terms of climatic, geologic, pedological, and biological diversity; traditional, colonial, and modern industrial agricultural and forest management systems; and sociocultural and political aspects of environmental issues.

**Note:**

**Prerequisite:** none  
**Enforced at Registration:** Yes  No

**Corequisite:** none  
**Enforced at Registration:** Yes  No

**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)** Sustainability in Tropics

**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?   1  

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

**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, geological, and historical basis for the loss of biodiversity and ecosystem services in tropical regions
- 2) critically evaluate possible solutions to tropical environmental problems, from an interdisciplinary perspective
- 3) read, analyze, and give oral presentations on peer-reviewed journal articles dealing with these issues

**\*\*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 biological, geological, and historical knowledge;  
 Term paper and discussion participation will assess outcome #2, critically evaluating solutions;  
 Synopses and graded oral presentation will assess outcome #3, reading and analyzing journal articles

**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.

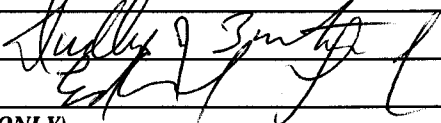
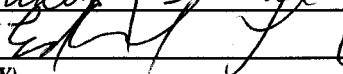
Indicate which department or programs will be affected by the proposed course (if any). Biology majors may wish to take it

*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:		10-12-09
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.