



SACRAMENTO  
STATE

# Course Change Proposal Form A



<b>Academic Group (College):</b> NSM	<b>Academic Organization (Department):</b> Biological Sciences	<b>Date:</b> March 24, 2008
<b>Type of Course Proposal:</b> New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	<b>Department Chair:</b> Nicholas Ewing	<b>Submitted by:</b> Ron Coleman
<b>Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></b>	<b>For Catalog Copy: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></b> <b>CCE (Extension): Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></b>	<b>Semester Effective:</b> 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:**

<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> BIO 009	<b>Title:</b> Our Living World: Evolution, Ecology and Behavior	<b>Units:</b> 3
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**JUSTIFICATION:**

The purpose of this change is to make the course more appealing to the student wishing a General Education course which introduces key issues in evolution, ecology and behavior. The emphasis of the course will be on conveying core principles of biology through timely topics of interest to the general public. This course will replace, in part, the existing GE course Bio 5. Bio 5 was comprised of both lecture and lab and was focused at the organismal level. This course is lecture only, but will cover much of the same areas of biology covered in Bio 5. The lab component that has been removed from Bio 5 in the transformation to Bio 9 will be available to students as Bio 15L, a stand-alone B3 GE lab.

**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)**

Designed for non-majors, this course is an introduction to the biological science behind important issues that face us today, such as those surrounding evolution, endangered species, conservation of ecosystems, and the behavior of organisms. By gaining an understanding of the scientific approach and the principles of evolution, ecology and behavior, students will be equipped to evaluate scientific developments and arguments in these and other issues as informed citizens. Lecture three hours. **Note:** Not Open to Biological Sciences majors or students who have received credit for Bio 001 or Bio 002. 3 units.

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**Prerequisite:** None

**Enforced at Registration:** Yes  No

**Corequisite:** None

**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, C-2

**Title for CMS (not more than 30 characters)**

Our Living World

**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>

Students should be able to:

1. Understand key issues/discussions in the areas of evolution, ecology and behavior
2. Appreciate how scientists study the natural world
3. Appreciate biodiversity (morphological and behavioral) and the tree of life
4. Understand what evolution is, the evidence for it, and how it operates resulting in changes in organismal structure and function
5. Appreciate the relationship between structure and function at various levels of organization; from genes to cells to ecosystems
6. Understand what an ecosystem is and the major kinds of interactions between organisms, and between organisms and their environment
7. Understand the evolutionary and ecological basis of these interactions including, but not necessarily limited to, cost/benefit tradeoffs, sexual selection, altruism
8. Understand the concept of the selfish gene in shaping those interactions
9. Appreciate how the actions of people can destabilize ecosystems
10. Evaluate media (e.g., newspaper stories) with a keener appreciation of the science behind the story.

\*\*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:

Two midterms  
 Comprehensive final  
 Quizzes  
 Short writing assignment (approximately 1500 words = 5 double spaced pages)

For whom is this course being developed?

Majors in the Dept \_\_\_ Majors of other Depts \_\_\_ Minors in the Dept \_\_\_ General Education X Other \_\_\_

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

If yes, identify program(s):

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 X

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

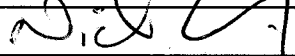
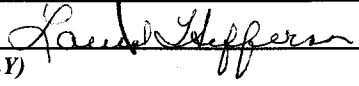
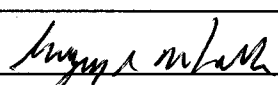
Indicate which department or programs will be affected by the proposed course (if any). \_\_\_\_\_

*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: 	3/24/08
College Dean or Associate Dean: 	4/2/08
CPSP (for school personnel courses ONLY)	
Associate Vice President and Dean for Academic Programs 	4-8-08

**CONDITIONAL APPROVAL**

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.