



SACRAMENTO  
STATE

# Course Change Proposal Form A



Academic Group (College):NSM	Academic Organization (Department): Biological Sciences	Date: Feb. 20, 2008
Type of Course Proposal: New X Change ___ Deletion ___	Department Chair: Nicholas Ewing	Submitted by: Christine Kirvan
Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes ___ No X	For Catalog Copy: Yes X No ___ CCE (Extension): Yes ___ No X	Semester Effective: Fall X Spring __, 2008__

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

**Change from:**

Subject Area (prefix) & Catalog Nbr (course no.): Bio 149C	Title: Advanced Problems in Immunology	Units: 1
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**Change to:**

Subject Area (prefix) & Catalog Nbr (course no.):	Title:	Units:
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**JUSTIFICATION:**

BIO 149C will serve as an additional elective course for Biology majors and minors and will add diversity to courses offered by the Department of Biological Sciences. The new course will provide students a more in depth understanding of immunology as it applies to medical, clinical, and biotechnology fields as well as instructing students to critically evaluate problem sets and work in a group dynamic.

**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)

BIO 149C. Advanced problem-solving in immunology designed for students concurrently enrolled in BIO 149A. Discussions and problem sets are focused on the medical, clinical, and biotechnology applications of immunology. Discussion one hour. Prerequisite: Bio 139, Chem 161. Corequisite: Bio 149A. Graded Credit/No Credit. 1 unit.

Note: Graded Credit/No Credit

Prerequisite: BIO 139, CHEM 161  
Enforced at Registration: Yes X No

Corequisite: Bio 149A  
Enforced at Registration: Yes X No

CAN (California Articulation Number):

Graded: Letter \_\_\_ Credit/No Credit X \_\_\_ Instructor Approval Required? Yes \_\_\_ No X

Course Classification (e.g., lecture, lab, seminar, discussion):  
Discussion (C-4) Title for CMS (not more than 30 characters)  
Advanced Problems in Immunology

Cross Listed? Yes \_\_\_ No X 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 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>

Through discussions and problem solving sessions, students should be able to:

- Critically evaluate problem sets
- Gain a more complete understanding of the function of the immune system
- Gain a more complete understanding of the medical, clinical, and biotechnology applications of immunology
- Work in a group dynamic

**\*\*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:

Assessment of students will be by:

- Regular attendance
- Preparation and participation in problem solving exercises
- Journal entries summarizing assigned readings and preparation for problem solving exercises

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):

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

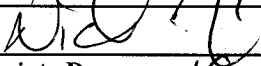
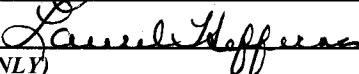
If yes, attach a description of resources needed and verify that resources are available.

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: 	3/5/08
College Dean or Associate Dean: 	3/6/08
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.