**Course Change Proposal**

**Form A**

<table>
<thead>
<tr>
<th>Academic Group (College):</th>
<th>Academic Organization (Department):</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSM</td>
<td>Biological Sciences</td>
<td>15 March 2010</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Course Proposal:</th>
<th>Department Chair:</th>
<th>Submitted by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New __ Change <em>X</em> Deletion ___</td>
<td>Rose Leigh Vines</td>
<td>James Baxter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Does this course fulfill a requirement for single-subject or multiple subject credential students?</th>
<th>For Catalog Copy:</th>
<th>Semester Effective:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes ___ No <em>X</em></td>
<td>Yes <em>X</em> No</td>
<td>Fall <em>X</em> Spring ___, 2010</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CCE (Extension):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes ___ No <em>X</em></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>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.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes <em>X</em> No</td>
<td></td>
</tr>
</tbody>
</table>

**Change from:**

<table>
<thead>
<tr>
<th>Subject Area (prefix) &amp; Catalog Nbr (course no.):</th>
<th>Title:</th>
<th>Units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 500</td>
<td>Master's Thesis</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Change to:**

<table>
<thead>
<tr>
<th>Subject Area (prefix) &amp; Catalog Nbr (course no.):</th>
<th>Title:</th>
<th>Units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 500</td>
<td>Master's Thesis</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**JUSTIFICATION:**

Currently, two units of BIO 500 can be counted toward the Master of Science degree. The Department of Biological Sciences proposes to increase the number of BIO 500 units from two to four. The proposed increase more accurately reflects the actual time and effort a graduate student in the Department dedicates to completion of their thesis. This course change proposal accompanies an MS degree program change proposal (Form B), in which the Department is proposing an increase in the number of BIO 299 units that can count toward the MS degree and a corresponding decrease in coursework requirements.

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

**BIO 500. Master’s Thesis.** Completion of a thesis approved for the Master's degree. Should be taken in the final semester prior to completion of all requirements for the degree. Prerequisite: Advanced to candidacy and chair permission of his/her thesis committee. Graded: Thesis in Progress. Units: 4.0.

**Note:**

Prerequisite:
Enforced at Registration: Yes _X_ No

Corequisite:
Enforced at Registration: Yes _X_ No

Graded: Letter _____ Credit/No Credit _X_ 
Instructor Approval Required? Yes _X_ No

Course Classification (e.g., lecture, lab, seminar, discussion):
S-3

Title for CMS (not more than 30 characters)
Master's Thesis

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? __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:
1. Complete a written thesis approved for the Master’s degree; and
2. Present the outcomes of their thesis research in a public seminar.

**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:

The student’s supervisory committee will evaluate and approve the final written thesis.

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 X No __
If yes, identify program(s): MS in Biological Sciences

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: ___________________________ 3-26-10
College Dean or Associate Dean: ______________ 4-20-10
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.

9/10/2008