### 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>17 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 _ 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>

| CCE (Extension): | |
|-----------------||
| Yes _ No _X_ |

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 _X_ No _ |

#### 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 294G</td>
<td>Seminar in Cell Biology</td>
<td>1.0</td>
</tr>
</tbody>
</table>

#### Change to:

<table>
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<tr>
<th>Subject Area (prefix) &amp; Catalog Nbr (course no.):</th>
<th>Title:</th>
<th>Units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 294A</td>
<td>Seminar in Molecular and Cellular Biology</td>
<td>1.0</td>
</tr>
</tbody>
</table>

#### JUSTIFICATION:

This is a part of a series of changes in the Bio 294 course series. There are currently three different courses in the Bio 294 series (294A: Seminar in Botany; 294F: Seminar in Zoology; and 294G: Seminar in Cell Biology). We are proposing a reorganization of the seminar series to bring these courses into alignment with other recent changes in the graduate program and graduate concentrations. The new courses will more accurately reflect the integrative nature of topics that are covered in the seminar series currently and also align the course numbers to reflect other recent changes in the graduate program. The topic of each seminar will change each semester the course is offered based on the expertise of the instructor; therefore, we are also increasing the number of times that the seminar may be repeated for credit.

#### 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 294A, Seminar in Molecular and Cellular Biology.** Review and discussion of scientific literature in cell and molecular biology. Seminar topics will vary by semester. May be taken more than once for credit. Graded: Credit/No Credit. Units: 1.0

**Note:**

- **Prerequisite:**
  - Enforced at Registration: Yes _ No _

- **Corequisite:**
  - Enforced at Registration: Yes _ No _

- **Graded:**
  - Letter _____ Credit/No Credit _X_  

- **Instructor Approval Required?**
  - Yes _ No _X_  

- **Course Classification (e.g., lecture, lab, seminar, discussion):**
  - Title for CMS (not more than 30 characters)
  - Molecular and Cell Seminar

- **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?**
  - _4_

- **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. Read, discuss, and evaluate scientific literature in cell and molecular biology
2. Discuss and evaluate current topics in cell and molecular biology
3. Develop skill leading group discussion
4. Develop presentation skills
5. Develop skill in reading scientific literature

**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:

Oral presentation
Participation in discussion

For whom is this course being developed?
Majors in the Dept X__ 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, MA 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
                                      Joe Landry

College Dean or Associate Dean: 4/26/10
                                      Laura Hoffman

CPSP (for school personnel courses ONLY) 4/26/10

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