# Course Change Proposal
## Form A

<table>
<thead>
<tr>
<th>Academic Group (College): Natural Sciences and Mathematics</th>
<th>Academic Organization (Department): Biological Sciences</th>
<th>Date: 27 October 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Course Proposal:</strong></td>
<td><strong>Department Chair:</strong> Rose Leigh Vines</td>
<td><strong>Submitted by:</strong> Shannon Datwyler</td>
</tr>
<tr>
<td>New _ Change <em>X</em> Deletion _ _ _</td>
<td>For Catalog Copy: Yes <em>X</em> No _ _ _</td>
<td>Semester Effective: Fall _ X_ Spring <em>X</em>, 2011</td>
</tr>
<tr>
<td><strong>Does this course fulfill a requirement for single-subject or multiple subject credential students?</strong> Yes _ _ No _ X_</td>
<td><strong>CCE:</strong> Yes _ _ No _ _ _</td>
<td></td>
</tr>
</tbody>
</table>

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

This Catalog Number (course number) is being replaced:

<table>
<thead>
<tr>
<th>Change from:</th>
<th>Subject Area (prefix) &amp; Catalog No. (course no.):</th>
<th>Title:</th>
<th>Units:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Change to:</th>
<th>Subject Area (prefix) &amp; Catalog No. (course no.):</th>
<th>Title:</th>
<th>Units:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 113</td>
<td>Evolution and Speciation in Flowering Plants</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**JUSTIFICATION:**

This proposal is being submitted in order to remove the requirement for instructor approval. This box was inadvertently checked during the original course proposal. No changes are being proposed to the course structure or content.

**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](http://www.csus.edu/acaf/univmanual/crspsl.htm))

A survey of the important tools and mechanisms used to study speciation in plants. Topics include the molecular basis of evolutionary change, intraspecific genetic variation at both the local and landscape levels, theory regarding mechanisms of speciation, and the importance of polyploidy. Readings will be from both a text and from the primary literature, and will include in-depth discussions of historical and modern studies in plant evolution. Prerequisite: BIO 001 & 002 or equivalent.

**Note:**

Prerequisite: BIO 001 and BIO 002 or equivalent

Corequisite:

**CAN (California Articulation Number):**

<table>
<thead>
<tr>
<th>Graded:</th>
<th>Letter X Credit/No Credit</th>
<th>Instructor Approval Required? Yes _ _ No _ X _</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Classification (e.g., lecture, lab, seminar, discussion):</strong></td>
<td>Title for SIS+/CMS (not more than 30 characters)</td>
<td>Evol and Speciation in Plants</td>
</tr>
<tr>
<td>Lecture/Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross Listed?</td>
<td>Yes _ _ No _ X _</td>
<td>If yes, do they meet together and fulfill the same requirement, and what is the other course.</td>
</tr>
</tbody>
</table>

How Many Times Can This Course be Taken for Credit? one _ _ _

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:

**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:

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 ______
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: ____________________________ 11/19/10
College Dean or Associate Dean: ____________________________ 11/23/10
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.