## Course Change Proposal
### Form A

<table>
<thead>
<tr>
<th>Academic Group (College): NSM</th>
<th>Academic Organization (Department): Biological Sciences</th>
<th>Date: 9/12/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Course Proposal:</td>
<td>Department Chair: Jennifer Lundmark</td>
<td>Submitted by:</td>
</tr>
<tr>
<td>New ___ Change X ___ Deletion ___</td>
<td>For Catalog Copy: Yes X No</td>
<td></td>
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<tr>
<td>Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes ___ No X ___</td>
<td>CCE (Extension): Yes ___ No X ___</td>
<td>Semester Effective:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fall ___ Spring X 2012___</td>
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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.

<table>
<thead>
<tr>
<th>Subject Area (prefix) &amp; Catalog Nbr (course no.): BIO 131</th>
<th>Title: Systemic Physiology</th>
<th>Units: 4</th>
</tr>
</thead>
</table>

**Change from:**

<table>
<thead>
<tr>
<th>Subject Area (prefix) &amp; Catalog Nbr (course no.): BIO 131</th>
<th>Title: Systemic Physiology</th>
<th>Units: 4</th>
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**JUSTIFICATION:**

Cells and cell structure are no longer taught in sufficient detail in BIO 20 for it to serve as a prerequisite for this course. Language on pre-requisites confusing, so biology sequence listed as “one of the following” and chemistry courses are specified. Included “humans” in description as that is the primary model used.

**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)

Physiology of organ systems with emphasis on control and integration of system function. Experiments using humans and selected vertebrate animal models are performed in the laboratory to illustrate functional characteristics of organ systems discussed in lecture and to provide direct experience with techniques, recording systems, and methods of data analysis commonly used in physiology and related fields. Lecture three hours; laboratory three hours. Fee course. **Prerequisite:** CHEM 1B or CHEM 6B and one of the following: BIO 1, BIO 2, BIO 10 or BIO 22. **Graded:** Graded. **Units:** 4.0

**Note:**

**Prerequisite:**

Enforced at Registration: Yes ___ No X ___

Corequisite:

Enforced at Registration: Yes ___ No X ___

**Graded:** Letter X Credit/No Credit ___

Instructor Approval Required? Yes ___ No X ___

**Course Classification (e.g., lecture, lab, seminar, discussion):**

C2/C16

Title for CMS (not more than 30 characters): BIO 131

**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

**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. X
- Majors of other Depts
- Minors in the Dept. X
- General Education
- Other

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

If yes, identify program(s): Biological Sciences, Kinesiology

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): Kinesiology, Nursing

**The Department Chair's signature below indicates that affected programs have been sent a copy of this proposal form.**

**Accessibility:** Following course approval, and prior to the start of the semester in which the new or revised course will be taught for the first time, an accessibility checklist [available at http://www.csus.edu/accessibility/checklist.html] shall be completed and submitted to the appropriate Dean's office. An accessible syllabus shall also be made available online, preferably prior to the start of that semester's open registration period.

**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.

<table>
<thead>
<tr>
<th>Signatures:</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Chair:</td>
<td>9/28/11</td>
</tr>
<tr>
<td>College Dean or Associate Dean:</td>
<td>10/25/11</td>
</tr>
<tr>
<td>CPSP (for school personnel courses ONLY)</td>
<td></td>
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<tr>
<td>Associate Vice President and Dean for Academic Programs</td>
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</table>

**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.

5/20/2010