**Course Change Proposal**  
**Form A**

<table>
<thead>
<tr>
<th>Academic Group (College):</th>
<th>NSM</th>
<th>Academic Organization (Department):</th>
<th>Chemistry</th>
<th>Date: 9/28/2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Course Proposal:</td>
<td></td>
<td>Department Chair: Linda Roberts</td>
<td></td>
<td>Submitted by: Linda Roberts</td>
</tr>
<tr>
<td>New <em>X</em> Change <em>X</em> Deletion <em>X</em></td>
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<td>Does this course fulfill a requirement for single-subject or multiple subject credential students?</td>
<td>Yes <em>X</em> No <em>X</em></td>
<td>For Catalog Copy: Yes <em>X</em> No <em>X</em></td>
<td></td>
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<td>CCE (Extension):</td>
<td>Yes <em>X</em> No <em>X</em></td>
<td>Semester Effective:</td>
<td>Fall <em>X</em> Spring <em>X</em>, 2012</td>
<td></td>
</tr>
<tr>
<td>This course replaces experimental course Subject Area (prefix) and Catalog Nbr (course number):</td>
<td></td>
<td></td>
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<td>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.</td>
<td>Yes <em>X</em> No <em>X</em></td>
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**Change from:**  
**Subject Area (prefix) & Catalog Nbr (course no.):** CHEM 5  
**Title:** Chemistry for Nurses  
**Units:** 5

**Change to:**  
**Subject Area (prefix) & Catalog Nbr (course no.):** CHEM 5  
**Title:** Chemistry for Nurses  
**Units:** 5

**JUSTIFICATION:**  
Chemistry created this course for the Nursing program, to speed the time of prerequisite completion. After teaching this course for six semesters, it is clear that to be successful, students should really have completed high school chemistry before taking it. The course is highly accelerated and students are expected to learn much of the material on their own, particularly early material they would have had in a high school chemistry course. Their ability to stay up with the pace of the class is greatly facilitated if they have had high school chemistry. Therefore, we wish to change the catalog copy to reflect that a high school chemistry class is a required prerequisite. "Prerequisite: "One year of high school algebra; high school chemistry strongly recommended" will be changed to "Prerequisite: "One year of high school algebra, high school chemistry"

**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)  
**CHEM 5. Chemistry for Nurses.** One-semester chemistry survey course for pre-nursing students, covering the areas of general chemistry, organic chemistry and biochemistry. Major lecture topics include atomic and molecular structure and bonding, nomenclature of relevant inorganic and organic compounds, states of matter and intermolecular forces, solutions and solubility, reactions of inorganic, organic, and biological molecules, stereochemistry, structure and function of biological macromolecules, nutrition and metabolism. Emphasize chemistry as it appears in a practical nursing context. Lecture four hours, laboratory three hours. Prerequisite: One year high school algebra, high school chemistry. Graded: Graded Student. Units: 5.0

**Note:**  
Prerequisite:  
Enforced at Registration: Yes _X_ 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](http://www.csus.edu/acaf/example.htm)

These are unchanged.

**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:

These are unchanged.

**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): Nursing (meets Chemistry prerequisite for nursing)

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). Pre-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](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>
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<tbody>
<tr>
<td>Department Chair:</td>
<td>9/28/2011</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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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