## Course Change Proposal Form A

**Academic Group (College):** Natural Science and Mathematics  
**Academic Organization (Department):** Physics and Astronomy  
**Date:** 11/20/08  
**Department Chair:** Gary Shoemaker  
**Submitted by:** Chris Taylor

<table>
<thead>
<tr>
<th>Type of Course Proposal:</th>
<th>For Catalog Copy:</th>
<th>CCE (Extension):</th>
<th>Semester Effective:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New _ Change <em>x</em> Deletion <em>x</em></td>
<td>Yes _ No _</td>
<td>Yes _ No _</td>
<td>Fall <em>x</em> Spring <em>x</em> , 2009</td>
</tr>
</tbody>
</table>

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 <em>(prefix)</em> &amp; Catalog Nbr <em>(course no.):</em></th>
<th>Title: The Solar System and Space Exploration</th>
<th>Units: 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 131</td>
<td></td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Change to:</th>
<th>Units: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Area <em>(prefix)</em> &amp; Catalog Nbr <em>(course no.):</em></td>
<td>Title: N/A</td>
</tr>
<tr>
<td>N/A</td>
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</tr>
</tbody>
</table>

### JUSTIFICATION:

ASTR 131 has as one of its prerequisites Astr 4. In separate proposals, Astr 4 will be eliminated, and replaced with 3 courses, Astr 4A, 4B, and 4C. Instead of using Astr 4 as a prerequisite for Astr 131, any of Astr 4A, 4B or 4C will serve as prerequisite. This change in prerequisite is the only change being proposed.

### 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

Plants and satellites, including their composition, structure, and atmospheres, with emphasis on modern techniques and observations. Solar surface phenomena and their influence on planets through the solar wind. Comets, meteorites, and their implications for the origin and evolution of planets. Physical effects governing feasible forms of space exploration and colonization. **Prerequisite:** Any of Astr 4A, 4B, or 4C, or passing score on WPE. **Graded:** Graded Student. **Units:** 3.0.

**Note:**

**Prerequisite:** Any of Astr 4A, 4B, or 4C, passing score on WPE  
**Enforced at Registration:** Yes _x_ No _x_  
**Corequisite:**  
**Enforced at Registration:** Yes _x_ No _x_  
**Graded:** Letter _x_ Credit/No Credit _x_  
**Instructor Approval Required?:** Yes _x_ No _x_  
**Course Classification (e.g., lecture, lab, seminar, discussion):** C-01  
**Title for CMS (not more than 30 characters):** Same as current catalog  
**Cross Listed?**  
<table>
<thead>
<tr>
<th>Yes <em>x</em> No <em>x</em></th>
</tr>
</thead>
<tbody>
<tr>
<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?** 1  
**Can the course be taken for Credit more than once during the same term?** 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

No changes from current Astr 131

**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:

No changes from current Astr 131

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): Astronomy minor

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). Astronomy minor

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:  [Signature]              12/18/08

College Dean or Associate Dean: [Signature]            12/9/08

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