# Course Change Proposal
## Form A

<table>
<thead>
<tr>
<th>Academic Group (College):</th>
<th>Academic Organization (Department):</th>
<th>Date: 9-18-07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Sciences &amp; Mathematics</td>
<td>Mathematics/Statistics</td>
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<thead>
<tr>
<th>Type of Course Proposal:</th>
<th>Department Chair:</th>
<th>Submitted by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New ___ Change <em>X</em> Deletion ___</td>
<td>Roger Leezer</td>
<td>John Ingram</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes <em>X</em> No ___</th>
<th>For Catalog Copy: Yes <em>X</em> No ___</th>
<th>Semester Effective:</th>
</tr>
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<tbody>
<tr>
<td>CCE (Extension): Yes __ No <em>X</em></td>
<td>Fall ___ Spring <em>X</em>, 2008</td>
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</table>

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

<table>
<thead>
<tr>
<th>Change from:</th>
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<tbody>
<tr>
<td>Subject Area (prefix) &amp; Catalog Nbr (course no.):</td>
<td>Title:</td>
<td>Units:</td>
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<table>
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<tr>
<th>Change to:</th>
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</thead>
<tbody>
<tr>
<td>Subject Area (prefix) &amp; Catalog Nbr (course no.):</td>
<td>Title: Functions of a Real Variable</td>
<td>Units: 3</td>
</tr>
<tr>
<td>Math 130A</td>
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## JUSTIFICATION:
The current prerequisites are Math 32, Math 45, and Math 108. The Mathematics Department would like to drop Math 45. None of the material covered in Math 45 is used in Math 130A and taking Math 45 does not significantly improve a student's level of mathematical maturity. Since Math 130A is a required core course in the major, dropping the Math 45 prerequisite may allow students to take Math 130A sooner, thereby shortening their time to graduation.

## NEW COURSE DESCRIPTION: (Not to exceed 80 words, and language should conform to catalog copy. See http://www.csus.edu/acaf/univmanual/crspl.htm- Guidelines for Catalog Course Description)
First half of a one-year upper division course in functions of a real variable. The first semester will consist of a rigorous development of the theory of real-valued sequences and continuity and differentiation for functions of one real variable. **Prerequisite:** Math 32 and Math 108. 3 units.

**Note:**
- **Prerequisite:** Math 32 and Math 108
- **Enforced at Registration:** Yes _X_ No __
- **Corequisite:**
  - **Enforced at Registration:** Yes __ No __
- **CAN (California Articulation Number):**
  - **Graded:** Letter _X_ Credit/No Credit
  - **Instructor Approval Required:** Yes _X_ No __
- **Course Classification (e.g. lecture, lab, seminar, discussion):** C-2
  - **Title for CMS (not more than 30 characters):** Functions of a Real Variable
  - **Cross Listed?** Yes _X_ No __
    - 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 _X_ No __
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/aca1/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, preand 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 _____ No _____

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: ________________________________ Date: 9/20/07

College Dean or Associate Dean: ________________________________ Date: 9/20/07

CPSP (for school personnel courses ONLY) ________________________________ Date: 9/20/07

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

8/27/07