Course Change Proposal
Form A

<table>
<thead>
<tr>
<th>Academic Group (College):</th>
<th>Academic Organization (Department):</th>
<th>Date: Oct. 27, 2010</th>
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<tbody>
<tr>
<td>ECS</td>
<td>Mechanical Engineering</td>
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<th>Type of Course Proposal:</th>
<th>Department Chair:</th>
<th>Submitted by:</th>
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<tbody>
<tr>
<td>New ___ Change <em>X</em> Deletion ___</td>
<td>Susan L. Holl</td>
<td>Yong Suh</td>
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</tbody>
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Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes ___ No _X_

For Catalog Copy: Yes _X_ No ___

CCE (Extension): Yes ___ No _X_

Semester Effective: Fall ___ Spring _X_, 2011___

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.

| Change from: | |
|-------------|----------------|---------------|
| Subject Area (prefix) & Catalog Nbr (course no.): | Title: | Units: |
| | | |

| Change to: | |
|-------------|----------------|---------------|
| Subject Area (prefix) & Catalog Nbr (course no.): | Title: Product Design and 3D Parametric Solid Modeling | Units: 3 |
| ME 177 | |

JUSTIFICATION:

Changing prerequisites to align them with what is required for success in ME 177 – the current prerequisites are Engr 6 (Engineering Graphics and CADD), ME 115 (Dynamics of Machinery and Multi-Body Systems), ME 175 (intro to problem solving with MATLAB) (or ENGR 6, MET 164, MET 173 for MET). We no longer offer the MET program so we would like to eliminate those prerequisites. Additionally we no longer offer ME 175 and ME 115 is no longer a required course in the ME curriculum. ME 105 (Introduction to Technical Problem Solving) and ME 116 (Machinery Design I) are now required courses in the BS ME curriculum. The material needed from ME 175 is now covered in ME 105, and the material needed from ME 115 is now covered in ME 116.

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)

No change

Note:

Prerequisite: Engr 6, ME 105, ME 116
Enforced at Registration: Yes _X_ No ___

Corequisite:
Enforced at Registration: Yes ___ No ___

Graded: Letter _X_ Credit/No Credit ___
Instructor Approval Required? Yes ___ No _X_

Course Classification (e.g., lecture, lab, seminar, discussion):
Lecture (C4) and lab (C16)

3D Parametric Modeling

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/aacsl/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 ___ General Education ___ Other ___
Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes ___ No _X___
If yes, identify program(s): Mechanical Engineering

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). ________________________________

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.

Signatures:  
Department Chair: Susan L. Holl  
Oct. 27, 2010  
College Dean or Associate Dean:  
11/18/10  
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.

5/20/2010