



SACRAMENTO  
STATE

# Course Change Proposal Form A



<b>Academic Group (College):</b> <b>Engineering and Computer Sci.</b>	<b>Academic Organization (Department):</b> <b>Mechanical Engineering</b>	<b>Date:</b> <b>February 9, 2007</b>
<b>Type of Course Proposal:</b> New ___ Change <u>X</u> Deletion ___	<b>Department Chair:</b> <b>Robin Bandy</b>	<b>Submitted by:</b> <b>Tim Marbach</b>
<b>Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes ___ No <u>X</u></b>	<b>For Catalog Copy: Yes <u>X</u> No ___</b> <b>CCE: Yes ___ No ___</b>	<b>Semester Effective:</b> <b>Fall <u>X</u> Spring ___, 2007_</b>

<b>This course replaces experimental course Subject Area (prefix) and Catalog Number (course number):</b>	<b>ME 196R</b>
<b>This Catalog Number (course number) is being replaced:</b>	

**Change from:**

<b>Subject Area (prefix) &amp; Catalog No. (course no.):</b> <b>ME 196R</b>	<b>Title:</b> <b>Alternative Energy Systems</b>	<b>Units:</b> <b>3</b>
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**Change to:**

<b>Subject Area (prefix) &amp; Catalog No. (course no.):</b> <b>ME 154</b>	<b>Title:</b> <b>Alternative Energy Systems</b>	<b>Units:</b> <b>3</b>
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**JUSTIFICATION:**

**In the 21<sup>st</sup> Century, sustainable energy systems are required to minimize global climate change and reduce dependence on fossil fuels. Students successfully completing this course will be prepared to contribute to the development and engineering of these systems. Enrollment for this course reached the maximum of 25 both times that it was offered. Twenty students successfully completed the course in spring 2006 and six students from a waiting list were not able to enroll in spring 2007 class because it was full. Due to the importance of the subject and student demand, the course's experimental status should be lifted.**

**NEW COURSE DESCRIPTION:** (Not to exceed 80 words, and language should conform to catalog copy. See <http://www.csus.edu/acaf/univmanual/crspsl.htm> - Guidelines for Catalog Course Description)

**ME 154 Alternative Energy Systems: Study of alternative energy technologies, such as renewable fuels, wind, solar, oceanic and geothermal power. Concentration on fundamental thermodynamic principles, modern design features and non-technical aspects of each technology.**

<b>Note:</b>	
<b>Prerequisite: ENGR124 (Introductory Thermodynamics) or MET140 (Thermo. for Engineering Tech.)</b>	
<b>Corequisite:</b>	
<b>CAN (California Articulation Number):</b>	
<b>Graded: Letter <u>X</u> Credit/No Credit ___</b>	<b>Instructor Approval Required? Yes ___ No <u>X</u></b>
<b>Course Classification (e.g., lecture, lab, seminar, discussion):</b> <b>Lecture</b>	<b>Title for SIS+/CMS (not more than 30 characters)</b> <b>Alternative Energy</b>
<b>Cross Listed?</b> Yes ___ No <u>X</u>	<b>If yes, do they meet together and fulfill the same requirement, and what is the other course.</b>
<b>How Many Times Can This Course be Taken for Credit? <u>ONE</u></b>	
<b>Can the course be taken for Credit more than once during the same term? Yes ___ No <u>X</u></b>	