



SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): Engineering & Computer Science	Academic Organization (Department): Electrical Electronic Engineering	Date: 4/11/07
Type of Course Proposal: New <input checked="" type="checkbox"/> Change <input type="checkbox"/> Deletion <input type="checkbox"/>	Department Chair: Suresh Vadhva	Submitted by: Suresh Vadhva
Does this course fulfill a requirement for single-subject or multiple subject credential students? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	For Catalog Copy: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CCE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Semester Effective: Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> 2007

This course replaces experimental course Subject Area (prefix) and Catalog Number (course number):	
This Catalog Number (course number) is being replaced:	

Change from:

Subject Area (prefix) & Catalog No. (course no.):	Title:	Units:
--	---------------	---------------

Change to:

Subject Area (prefix) & Catalog No. (course no.): ENGR 3	Title: Future Technological City	Units: 3
--	--	--------------------

JUSTIFICATION:

There is an urgent need to turn the perceptions of fear of the engineering profession into those of inquisitiveness, and possibility. This can be achieved by providing an interesting challenge in a friendly environment that will additionally give the students a sense of achievement. Young adults today perceive the field of engineering and science to be extremely difficult and boring. Further, exercises that help students understand the applications of scientific concepts to real world problems are lacking.

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)

Introduction to technological evolution of future concepts in materials, robotics, transportation, and energy systems. Students will design individual technological aspects of a future city, culminating in a team project competition where the students design and model a future technological city.	
Note:	
Prerequisite: None	
Corequisite:	
CAN (California Articulation Number):	
Graded: Letter <input type="checkbox"/> Credit/No Credit <input checked="" type="checkbox"/>	Instructor Approval Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Course Classification (e.g., lecture, lab, seminar, discussion): 04	Title for SIS+/CMS (not more than 30 characters) Future Technological City
Cross Listed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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? <u> 1 </u>	
Can the course be taken for Credit more than once during the same term? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

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/afac/example.htm>

- 1) Use effective problem solving skills.
- 2) Work in teams to solve problems.
- 3) Effectively communicate in both oral and written form.
- 4) Identify available resources in terms of the latest technology.

**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:

1. Successful completion of projects
2. Periodic oral and written reports
3. Team project

For whom is this course being developed?

Majors in the Dept ____ Majors of other Depts ____ Minors in the Dept ____ General Education ____ Other X
Is this course required in a degree program (major, minor, graduate degree, certificate)? Yes ____ No X
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 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.

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:	<i>Suresh Vedha</i>	9/20/2007 Date
Department Chair:	<i>Suresh Vedha</i>	9/20/2007
College Dean or Associate Dean:	<i>John Chalenburg</i>	11/16/07
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.