



SACRAMENTO
STATE

Course Change Proposal Form A



Academic Group (College): Engineering & Computer Science	Academic Organization (Department): Computer Engineering	Date: 9/28/06
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 checked="" type="checkbox"/> No <input 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 type="checkbox"/> Spring <input checked="" type="checkbox"/> 2007 <input type="checkbox"/>

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.): CpE 102	Title: Analog/Digital Electronics	Units: 3
---	---	--------------------

JUSTIFICATION:
This course will be crosslisted with the existing EEE 102, with the same course content and units. EEE 102 is a required course in the CpE major. This change will allow students to take this course under a CpE classification.

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

Introduction to analog/digital electronics, diodes, FET's, BJT's, DC biasing, VI characteristics, single-stage amplifiers, power supplies and voltage regulators, power electronic devices, OP-amps, active filters, A/D and D/A converters. PSPICE used extensively. Note: Cannot be taken for credit by E&EE Majors.

Note:

Prerequisite: ENGR 017

Corequisite: CpE 102L

CAN (California Articulation Number):

Graded: Letter Credit/No Credit **Instructor Approval Required? Yes No**

Course Classification (e.g., lecture, lab, seminar, discussion):
04 **Title for SIS+/CMS (not more than 30 characters):**
Analog/Digital Electronic

Cross Listed? Yes No **If yes, do they meet together and fulfill the same requirement, and what is the other course.** EEE 102

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

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>

1. Students will be expected to understand basic diode and transistor theory of any technology, will be expected to design basic operational amplifier circuits.
2. Students will be able to simulate via Pspice various electronic circuits and be expected to use laboratory electronic instrumentation.

****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:

The final exam on theory and design will be comprehensive.

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 X No ___

If yes, identify program(s): Computer 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.

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: <i>Sarash Vedge</i>	11/2/2006
College Dean or Associate Dean: <i>[Signature]</i>	11/6/06
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.

FORM B

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
PROGRAM PROPOSAL

Academic Unit: CpE	Date of Submission to School Dean: September 28, 2006
Requested Effective: Fall __, Spring <u>X</u> , 2007.	
Name of Contact Person, if not Department Chair:	
Title of the Program: CpE Undergraduate Program	
Type of Program Proposal: <input checked="" type="checkbox"/> <u>X</u> Modification in Existing Program: ___ Substantive Change <u>X</u> Non-Substantive Change ___ Deletion of Existing Program ___ New Programs ___ Initiation (Projection) of New Program on to Master Plan ___ New Degree Programs ___ Regular Process ___ Fast Track Process ___ Pilot Process ___ New Minor, Concentration, Option, Specialization, Emphasis ___ New Certificate Program	
PLEASE NOTE: Form B is to be used only as a Cover Form. Additional information is requested for each of the above as noted in the corresponding procedure in the Policies and Procedures for Initiation, Modification, Review and Approval of Courses and Academic Programs found at http://www.csus.edu/acaf/univmanual/index.htm	
Briefly describe the program proposal (new or change) and provide a justification. This course will be a crosslisted as CpE / EEE 102. The course content and units will remain the same. This change will allow students to take this course under a CpE classification.	
Approvals:	
Department Chair: <u>Sureph Vadhan</u>	Date: <u>11/2/2006</u>
School Dean: <u>Jf</u>	Date: <u>11/6/06</u>
University Committee: _____	Date: _____
Associate Vice President and Dean for Academic Affairs: _____	Date: _____