

COURSE PROPOSAL

TO: Office of Student Affairs  
6426 Boelter Hall

Date: February 2, 1999

FROM: L. Lichten, D.S. Parker Computer Science  
(Proposers) Department

Course No. CS33 Title Systems Programming Units 5  
New Course \_\_\_\_\_ Revision X Deletion \_\_\_\_\_  
Prerequisites \_\_\_\_\_

CATALOG DESCRIPTION (Limit 40 words):

Existing catalog description:

33. Systems Programming (5 units). (Formerly numbered 24.) Lecture, four hours; discussion, two hours; outside study, nine hours. Prerequisite: course 32. Limited to majors in computer science and engineering and computer science majors. Not open to students with credit for former course 24. Introductory course on assembly language and operating systems fundamentals. Number systems, machine language, and assembly language. Procedure calls, stacks, interrupts, and traps. Assemblers, linkers, and loaders. Operating systems concepts: processes and process management, I/O programming, memory management, file systems.

Proposed revision:

33. Introduction to Computer Organization (5 units). Lecture, four hours; discussion, two hours; outside study, nine hours. Prerequisite: course 32. Limited to computer science and electrical engineering majors. Introductory course on computer architecture, assembly language, and operating system fundamentals. Number systems, machine language, and assembly language. Procedure calls, stacks, interrupts, and traps. Assemblers, linkers, and loaders. Operating systems concepts: processes and process management, I/O programming, memory management, file systems.

JUSTIFICATION FOR PROPOSAL:

Existing catalog description is out of date.

Does this modification affect major or minor field program?  
 Yes \_\_\_\_\_ No X

Submit major field program sheets with handwritten correction.

This course is recommended to satisfy an elective constraint as indicated below:

	Suggested Units (please circle)	Constraints				
		Units Approved by UPC				
___ Design _____	0 1 2 3 4	0	1	2	3	4
___ Engineering Science_	0 1 2 3 4	0	1	2	3	4
___ Laboratory _____	0 1 2 3 4	0	1	2	3	4
___ Engineering and Science in Society		__DO_NOT_FILL_IN____				
___ Mathematics - Upper division						

RECOMMENDED

Signatures(s):

\_\_\_\_\_  
 DEPARTMENT CHAIRMAN

\_\_\_\_\_  
 PROPOSER

\_\_\_\_\_  
 DATE

\_\_\_\_\_  
 ACADEMIC POLICY COMMITTEE (CSD)  
 CHAIRMAN

\_\_\_\_\_  
 PROPOSER

\_\_\_\_\_  
 DATE

\_\_\_\_\_  
 EXECUTIVE COMMITTEE (SEAS)  
 CHAIRMAN

Signature: \_\_\_\_\_

\_\_\_\_\_  
 INSTRUCTOR IN CHARGE

\_\_\_\_\_  
 DATE