SCHOOL OF ENGINEERING   UNIVERSITY OF CALIFORNIA
AND APPLIED SCIENCE   LOS ANGELES

                        COURSE   PROPOSAL

TO: Office of Student Affairs   Date: ___**February 2, 1999**___
    6426 Boelter Hall

FROM:___**L. Lichten, D.S. Parker**_____**Computer Science**____
          (Proposers)   Department

Course No. _**CS133A**_ Title _**Introduction to Computer Science II**_ Units _**4**_
New Course _____   Revision _____**X**_____   Deletion _____
Prerequisites _____
_____

CATALOG DESCRIPTION (Limit 40 words):

Existing catalog description:

32. Introduction to Computer Science II. Lecture, four hours; discussion, two
hours; outside study, six hours. Prerequisite: course 31. Limited to majors in
computer science and engineering and computer science majors. Not open to stu-
dents with credit for course 23. Object-oriented programming, overloading,
inheritance, polymorphism. Object-oriented view of data structures: lists,
stacks, queues. Memory management. Sorting and searching algorithms and their
performance. Trees, graphs, and associated algorithms. Case studies and exer-
cises from computer science applications.

Proposed revision:

**32. Introduction to Computer Science II. Lecture, four hours; discussion, two
hours; outside study, six hours. Prerequisite: course 31. Limited to computer
science and electrical engineering majors. Object-oriented software develop-
ment. Abstract data type definition and use. Overloading, inheritance, po-
lymorphism. Object-oriented view of data structures: stacks, queues, lists.
Algorithm analysis. Trees, graphs, and associated algorithms. Searching and
sorting. Case studies and exercises from computer science applications.**

JUSTIFICATION FOR PROPOSAL:

Existing catalog description is out of date.

Revised 2/02/99

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: | Constraints |
                    Suggested Units |Units Approved by UPC |
                    (please circle) | |
___ 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 |__DO_NOT_FILL_IN_____|
    Science in Society
___ Mathematics - Upper division
RECOMMENDED   Signatures(s):

_____   _____
DEPARTMENT CHAIRMAN   PROPOSER   DATE

_____   _____
ACADEMIC POLICY COMMITTEE (CSD)   PROPOSER   DATE
CHAIRMAN

_____ Signature: _____
EXECUTIVE COMMITTEE (SEAS)   INSTRUCTOR IN CHARGE   DATE
CHAIRMAN