

SCHOOL OF ENGINEERING
AND APPLIED SCIENCE

UNIVERSITY OF CALIFORNIA
LOS ANGELES

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. CS31 Title Introduction to Computer Science I Units 4
New Course _____ Revision X Deletion _____
Prerequisites _____

CATALOG DESCRIPTION (Limit 40 words):

Existing catalog description:

31. Introduction to Computer Science I. Lecture, four hours; discussion, two hours; outside study, six hours. Limited to majors in computer science and engineering and computer science majors. Introduction to computer science via theory, applications, and programming. Operators and control structures. Functions, parameters, scope rules. Recursion. Arrays, strings, pointers. Object-oriented programming, classes, data abstraction. Input/output. Examples and exercises from computer science theory and applications.

Proposed revision:

31. Introduction to Computer Science I. Lecture, four hours; discussion, two hours; outside study, six hours. Limited to computer science and electrical engineering majors. Introduction to computer science via theory, applications, and programming. Basic data types, operators and control structures. Input/output. Procedural and data abstraction. Introduction to object-oriented software development. Functions, recursion. Arrays, strings, pointers. Abstract data types, object-oriented programming. Examples and exercises from computer science theory and applications.

JUSTIFICATION FOR PROPOSAL:

Existing catalog description is out of date.

