

SCHOOL OF ENGINEERING
AND APPLIED SCIENCE

UNIVERSITY OF CALIFORNIA
LOS ANGELES

COURSE PROPOSAL

TO: Office of Student Affairs
6426 Boelter Hall

Date: January 12, 1999

FROM: D.S. Parker Computer Science
(Proposer) Department

Course No. CS232A Title Operational Semantics of Prog. Lang.

New Course _____ Revision _____ Deletion X

Prerequisites _____

CATALOG DESCRIPTION (Limit 40 words):

232A. Operational Semantics of Programming Languages. Lecture, four hours; outside study, eight hours. Prerequisites: courses 131, 181, or equivalent. Introduction to formal semantics. Interpreter-based operational definitions. Induction and structural operational semantics. Proving equivalence between structural and interpreter-based operational definitions. Static and dynamic semantics. Example operational definitions of functional, imperative, concurrent, logic, and object-oriented programming languages.

JUSTIFICATION FOR PROPOSAL:

This course is superseded by CS230A (Models of Information and Computation).

Revised 1/12/98

