

COURSE PROPOSAL

TO: Office of Student Affairs  
6426 Boelter Hall

Date: February 2, 1999

FROM: C. Zaniolo, A.F. Cardenas Computer Science  
(Proposers) Department

Course No. CS143 Title Database Systems Units 4  
New Course \_\_\_\_\_ Revision X Deletion \_\_\_\_\_  
Prerequisites \_\_\_\_\_

CATALOG DESCRIPTION (Limit 40 words):

Existing catalog description:

143. Introduction to Database Systems. Lecture, four hours; discussion, two hours; laboratory, two hours; outside study, four hours. Prerequisite: course 32 or consent of instructor. Information systems and database systems in enterprises. File organization and secondary storage structures. Relational model and relational database systems. CODASYL and other data management approaches. Database design principles. Transactions, concurrency, and recovery. Integrity and authorization.

Proposed revision:

143. Introduction to Database Systems. Lecture, four hours; discussion, two hours; laboratory, two hours; outside study, four hours. Prerequisite: course 32 or consent of instructor. Information systems and database systems in enterprises. File organization and secondary storage structures. Relational model and relational database systems. Network, hierarchical and other models. Query languages. Database design principles. Transactions, concurrency, and recovery. Integrity and authorization.

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Existing catalog description is out of date.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