



**FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY CURRICULUM COMMITTEE**
Proposal for a Course Change

DO NOT TYPE IN THIS BOX

Bulletin #: _____

Academic Year: _____

PART I. FILL OUT THIS SECTION COMPLETELY

1. School/College Engineering and Computing
 Div./Dept. in Which Taught School of Computing and Information Sciences
2. COP 4 722 3
 Alpha Prefix 1st Digit Last 3 Digits "C"-lec-lab "L"-Lab Cr. Hrs.
3. Present Course Title Survey of Database Systems

PART II. FILL OUT CHANGE INFORMATION ONLY

Change Effective 1 / 11 / 2021

- 4a. New Course Title Advanced Database Management
- b. New Abbreviated course Title (for computer class schedules, transcripts) Advanced DB Management
LIMITED TO 25 Characters (including spaces)

- 5a.

_____	_____	_____	_____
New Alpha Prefix	New 1st Digit	New Last 3 Digits	Change "C"-lec-lab "L"-Lab

5b. Change Credit Hours: From _____ To _____

6. New Catalog Description/Major Topics (not to exceed 200 characters including spaces)
College of Medicine and College of Law: Attach description not exceeding 1,000 characters including spaces.

Design & management of enterprise systems; query optimization, transaction processing; concurrency techniques; web queries; XML interchanges; data warehousing, datamining; OLAP; NOSQL and bigdata.

7. New Prerequisite(s): COP-4703 or COP-4710
8. New Corequisite(s): None
9. Explain Reclassification Request:

The emergence of new topics in database field requires revision of course contents by replacing OODB, Multimedia and Spatial databases with transaction processing, web queries, NOSQL and bigdata.

10. Does this proposed change impact the assessment process of a program or certificate? If yes, then send notification to assessment@fiu.edu.

PROPOSAL REQUESTED BY:

Faculty Contact	<u>Nagarajan Prabakar</u>		<u>3</u> / <u>16</u> / 20 <u>20</u>
	<small>(Type name)</small>	<small>(Signature)</small>	
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Chairperson (Dept./Div.)	<u>S.S. Iyengar</u>		<u>3</u> / <u>16</u> / 20 <u>20</u>
	<small>(Type name)</small>	<small>(Signature)</small>	
Chairperson (Curr. Comm.)	<u>Wei-Chiang Lin</u>		/ / 20 <u>20</u>
	<small>(Type name)</small>	<small>(Signature)</small>	
College/School Dean	<u>John Volakis</u>		/ / 20 <u>20</u>
	<small>(Type name)</small>	<small>(Signature)</small>	

Submit one original form. Attach one copy of the course justification and course syllabus: course description, objectives, learning outcomes, major topics and textbooks.