



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

DO NOT TYPE IN THIS BOX

Bulletin # : _____

Academic Year : _____

1. School/College _____

Div./Dept. in Which Taught _____

2. _____ CIP Code (Leave this blank): _____

Alpha Prefix	1st Digit	Last 3 Digits	"C"-lec-lab "L"-Lab	Cr. Hrs.
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3. Grading Method (select one): Graded Pass/Fail

4a. Course Title _____

b. Abbreviated course Title (for computer class schedules, transcripts)

LIMITED TO 25 Characters (including spaces)

5. Statewide Course Numbering Subject Matter Area _____

6. 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.

7. Attach detailed syllabus course outline and course justification on separate page(s).

8. Prerequisite(s): _____

9. Corequisite(s): _____

10. Objective(s) of Course:

11. Does this course duplicate/overlap other courses at FIU? No Yes

If yes, please explain: _____

12. What other closely related department(s) have been consulted about this course?

13. Is this course used for the assessment of a program or a certificate (if yes, then send a notification to assessment@fiu.edu)? No Yes

PROPOSAL REQUESTED BY:

Faculty Contact			
	(Type name)	(Signature)	____ / ____ / 20__

(Email address)	(Phone number)

Chairperson (Dept./Div.)			
	(Type name)	(Signature)	____ / ____ / 20__

Chairperson (Curr. Comm.)			
	(Type name)	(Signature)	____ / ____ / 20__

College/School Dean			
	(Type name)	(Signature)	____ / ____ / 20__

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

CGS 1XXX Introduction to Databases for All

New Course Justification

Database is an essential component of modern technology. With the use of databases highly prevalent in this information era, it is important for all professionals to understand their role in accessing and protecting data.

This course introduces basic concepts of databases with hands-on experience in creating, maintaining, and querying a database. This course will enable students to be familiar with database technology and encourages them to specialize in data analytics and cybersecurity.

School of Computing and Information Sciences

Course Title: Introduction to Databases for All

Date: 10/18/19

Course Number: CGS 1XXX

Number of Credits: 3

Subject Area: Database	Subject Area Coordinator: Nagarajan Prabakar email: prabakar@cs.fiu.edu
Catalog Description: Introduction to database concepts including query languages, data organization and modeling, architecture, and security. Emphasis on relational databases with SQL. Not acceptable for CS majors.	
Textbook: " New Perspectives on Microsoft Access 2013, Introductory" by Joseph J. Adamski, Kathy T. Finnegan, Sharon Scollard Cengage Learning, 2013 (ISBN: 1285099214)	
References:	
Prerequisites Courses: None	
Corequisites Courses: None	

Type: Required

Course Outcomes:

1. Be familiar with DBMS and creating & maintaining a database
2. Master querying a database and analyzing the results
3. Master enhancing a table's design, and creating SQL queries
4. Master queries using SQL to retrieve data from multiple tables.
5. Master secure queries using SQL

School of Computing and Information Sciences
CGS 1XXX
Introduction to Databases for All

Course Outline

- Introduction to DBMS
- Introduction to ER Model
- Introduction to Access
- Queries
- Database Maintenance
- Introduction to Reports
- Introduction to SQL queries
- Aggregate functions in SQL
- Using SQL in a DBMS securely

Course Outcomes Emphasized in Laboratory Projects / Assignments

	Outcome	Number of Weeks
1	Create a database Outcomes: 1	1
2	Import data to a database, query database, and analyze results Outcomes: 2	2
3	Maintain a database Outcomes: 1,3	2
4	Create basic SQL queries Outcomes: 3,4	2
5	Create multi-table SQL queries Outcomes: 4	2
6	Create secure SQL queries Outcomes: 5	2