9/19/2022 DATE

☑ REQUIRED COURSE
☐ ELECTIVE COURSE

Business DIVISION

☐ NEW COURSE
☑ REVISION

Lake Land College
Course Information Form

COURSE NUMBER:	CIS-095		TITLE: *(30 Characters Max)*	Database Management				

SEM CR HRS:	3	Lecture:		3		Lab:	0			ECH:	3

Course Level:	☐ Gen Ed / IAI	☑ Career/Technical	Clinical Practicum:	0	Work-based Learning	0	WBL ECH:	0
	☐ Baccalaureate /Non-IAI	☐ Dev Ed/ Not in Degree Audit						

COURSE PCS #	12 -52. 0302	IAI Code				Contact Hours Per Week		
Repeatable (Y/N):	Y	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	150	8 Wks	300

Prerequisites:	
Catalog Description: (40 Word Limit)	An introduction to relational database fundamentals of planning, designing, and implementation. Students will learn proper relational database design principles and SQL through hands-on coursework.

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Database Management Introduction	5			
Structured Query Language	5			
Extracting and Manipulating Data	15			
Advanced Database Design	5			
Database Management Using MySQL	15			
TOTAL	45	0	0	0

EVALUTION

QUIZZES ☑	EXAMS ☑	ORAL PRES ☐	PAPERS ☐
LAB WORK ☐	PROJECTS ☑	COMP FINAL ☐	OTHER ☐

COURSE MATERIALS

TITLE:	SQL in 10 Minutes, Sams Teach Yourself
AUTHOR:	Ben Forta
PUBLISHER:	Sams Publishing
VOLUME/EDITION/URL:	4th Edition
COPYRIGHT DATE:	25-Oct-12

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Database Management Introduction	5	1. Explain the history of databases. 2. Discuss the purpose of a Relational Database Management System.
Structured Query Language	5	1. Explain the main roles of SQL. 2. Discuss and use SQL standards.
Extracting and Manipulating Data	15	1. Create SQL statements to extract data. 2. Create SQL statements to manipulate data. 3. Create Advanced SQL statements.
Advanced Database Design	5	1. Normalize a database. 2. Apply database constraints. 3. Create primary and foreign keys in a table. 4. Speed up results using indexes.
Database Management Using MySQL	15	1. Setup and Use a MySQL database.
Insert New Line Above this Line		
	45	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	• Understand tables, fields, and keys.
	• Write SQL statements to create a database structure.
	• Write SQL statements to extract, insert, update, and delete data.

* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.