

Database Programming

ITSE-2309

Spring 2019 Section 378 CRN-25872 3 Credits 01/14/2019 to 05/09/2019 Modified 01/24/2019

Meeting Times

Lecture

Tuesday, Thursday, 2:00 PM to 3:50 PM, Student Center 241

Lab

Thursday, 3:00 PM to 3:50 PM, Student Center 241

Contact Information

Program Coordinator: Major Robert Carl Nelson II

Email: rnelson@blinn.edu

Office: Student Center 242

Phone: 979-209-7430

Website: cit.blinn.edu

Office Hours

Tuesday, Thursday, 11:30 AM to 12:00 PM, Student Center 242

Schedule an appointment for best results.

Description

Database development using database programming techniques emphasizing database structures, modeling, and database access.

3 lecture hours and 1 lab hour per week; 64 total contact hours. Credit: 3 semester hours.

Requisites

Prerequisites: A grade of "C" or better in ITNW 1325 and ITSC 1325 or approval by the Dean or designee

Core Curriculum Statement

This course is not a core curriculum course.

Outcomes

Upon successful completion of this course, students will:

1. Develop database applications using a structured query language.
2. Create queries and reports from database tables.

3. Implement data integrity.
4. Optimize query performance.
5. Create and maintain indexes.
6. Create appropriate documentation.

Materials

MySQL

Author: Joel Murach
Publisher: Murach
Edition: 2nd
ISBN: 9781890774820
Availability: Campus Bookstore and Online

Flash Drive

USB Flash Thumb Drive

Course Requirements

Transfers to BAAS degree at SHSU.

Transfers to BAS-IT degree at UHCL.

Evaluation

Criteria

Type	Weight	Notes
Exams	50%	Five major exams and a comprehensive final exam
Course Project	20%	A small-team course project designing a small rental company database
Labs	20%	Numerous labs using DML, DDL, and DCL
Class Participation	10%	Daily contributions to discussion and labs

Breakdown

- A [90, 100] Exceptional knowledge of the material covered
- B [80,90] Above average knowledge of the material covered
- C [70,80] Average knowledge of the material covered
- D [60,70] Less than average knowledge of the material covered
- F [0,60] Very little knowledge of the material covered

Blinn College Policies

All policies, guidelines, and procedures in the [Blinn College Catalog \(http://catalog.blinn.edu/\)](http://catalog.blinn.edu/), [Blinn College Board Policies \(http://pol.tasb.org/Home/Index/1204\)](http://pol.tasb.org/Home/Index/1204), and the [Blinn College Administrative Regulations \(https://www.blinn.edu/administrative-regulations/\)](https://www.blinn.edu/administrative-regulations/) are applicable to this course.

[Specific information on civility, attendance, add/drop, scholastic integrity, students with disabilities, final grade appeal, alternative retailers, campus carry and proctoring arrangements and cost. \(http://www.blinn.edu/syllabus-policies/\)](http://www.blinn.edu/syllabus-policies/)

Notice of any action taken under these protocol and procedures, by Blinn College or its employees, may be delivered by hand, through the U.S. Postal Service, or electronically to the student's Blinn Buc e-mail account. Notice shall be deemed received upon actual receipt, on deposit in the U.S. Mail, or upon entering the information processing system used by Blinn College for Blinn Buc e-mail accounts, whichever first occurs.

* Course Policies

[Student Email, Exam Review Procedures, Deadlines for Assignments and Labs, Make-up Policy, Reading and Research, Lab Hours and Decorum, Removable Hard Drives, Professional Disclaimer, and Learning Activities](#) are found here.

📅 Schedule

Spring 2019

Week	Day	Meeting Details	Weekly Contact Hours
1	T	01/15/19	4
	R	01/17/19	
2	T	01/22/19	4
	R	01/24/19	
3	T	01/29/19	4
	W	01/30/19	
	R	01/31/19	
4	T	02/05/19	4
	R	02/07/19	
5	T	02/12/19	4
	R	02/14/19	
6	T	02/19/19	4
	R	02/21/19	
7	T	02/26/19	4
	R	02/28/19	
8	T	03/05/19	4
	R	03/07/19	

Spring Break	T	03/12/19	Holiday - College Closed	
	R	03/14/19	Holiday - College Closed	
9	T	03/19/19	Database Structures	4
	R	03/21/19	Views	
10	T	03/26/19	Stored Programs; Exam Three (Chapters 10-12)	4
	R	03/28/19	Transactions	
11	T	04/02/19	Stored Procedures	4
	R	04/04/19	Stored Functions	
12	T	04/09/19	Triggers and Events	4
	R	04/11/19	Database Administration; Exam Four (Chapters 13-16)	
13	T	04/16/19	GRANT Tables; Users and Privileges	4
	R	04/18/19	Backup and Restore Databases	
14	T	04/23/19	Import and Export Data	4
	R	04/25/19	Exam Five (Chapters 17-19)	
	F	04/26/19	Last Day to Drop with a "Q"	
15	T	04/30/19	Course Project Rehearsal	4
	R	05/02/19	Course Project Presentation	
	F	05/03/19	Last Day of Classes	
16	T	05/07/19 from 1245-1500	Comprehensive Final Exam	4
Total Contact Hours				64