

# Advanced Database

## **Class**

ITSW 2337

Advanced concepts of database design and functionality.

Pre-requisites: ITSW 1307 Introduction to Database

## **Required Textbooks**

SQL DATABASE PROGRAMMING

Author: FEHILY

Edition: 5T

Published Date: 2020

ISBN: 9781937842475

Publisher: Questing Vole Press

## **Evaluation Standards**

Final Grade Calculations

- 30% of final grade: Quizzes
- 30% of final grade: Exams
- 40% of final grade: Assignments

Final grades will be calculated by the following scale:

A: 90% and above

B: 80 to 89%

C: 70 to 79%

D: 60 to 69%

F: less than 60%

## **Instructional Methods**

Lecture, hands-on computer activities, reading and writing assignments, quizzes, and exams. Reading, lab practice, exams, and assignments are accessed and submitted through the Canvas virtual classroom.

## **Disabilities**

### **ADA Statement:**

Any student with a documented disability (e.g. learning, psychiatric, vision, hearing, etc.) may contact the Office on the Weatherford College Weatherford Campus to request reasonable accommodations. *Phone:* 817-598-6350  
*Office Location:* Office Number 118 in the Student Services Building, upper floor. *Physical Address:* Weatherford College 225 College Park Drive Weatherford, TX.

## **Academic Integrity**

Academic Integrity is fundamental to the educational mission of Weatherford College, and the College expects its students to maintain high standards of personal and scholarly conduct. Academic dishonesty of any kind will not be tolerated. Academic dishonesty includes, but is not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials including unauthorized use of Generative AI. Departments may adopt discipline specific guidelines on Generative AI usage approved by the instructional dean. Any student who is demonstrated to have engaged in any of these activities will be subject to immediate disciplinary action in accordance with institutional procedures.

## **Program Learning Outcomes**

### Database Programming Certificate

- Students work with desktop database programs
- Students work with client-server applications
- Students solve business computer problems through programming techniques and procedures using appropriate languages and software

## **SCANS**

The Secretary's Commission on Achieving Necessary Skills (SCANS) identified competencies in the area of Resources, Interpersonal, Information, Systems, and Technology; and foundation skills in the areas of Basic Skills and Personal Qualities.

### **WORKPLACE COMPETENCIES** – Effective workers can productively use:

- Resources – They know how to allocate (C1) time
- Information – They can (C5) acquire and evaluate data, (C6) organize, and maintain files, and (C8) use computers to process information.
- Interpersonal Skills – They can work on (C9) teams, and (C14) work well with people from culturally diverse backgrounds.
- Systems – They (C15) understand social, organizational, and technological systems; (C16) they can monitor and correct performance; and (17) they can design or improve systems.
- Technology – They can (C18) select equipment and tools, (C19) apply technology to specific tasks, and (C20) maintain and troubleshoot equipment.

### **FOUNDATION SKILLS** – Competent workers in the high-performance workplace need:

- Basic Skills – (F1) reading, (F2) writing, (F3) arithmetic and (F4) mathematics, (F5) listening
- Thinking Skills – (F8) to make decisions, (F9) to solve problems, (F10) to visualize, (F11) the ability to learn, and (F12) to reason.
- Personal Qualities – (F13) individual responsibility, (F14) self-esteem, (F15) sociability, (F16) self-management, and (F17) integrity

### **Course Level**

Advanced

### **Lab Fee**

\$24