ITSE 2309 101HY

Database Programing (Fall 2022), 8/22/2022 – 12/09/2022

Monday and Wednesday, 11:00 am – 12:50 pm

STEAM classroom S1.146 on the first floor

Instructor Information:

Name: Faith (Fay) Alexander
Email: fbryan@com.edu
Office phone: 409-933-8334 – If no answer, leave a message for a callback.
Office Location: STEAM 225.55

Student/Office hours in STEAM 225.55:
Monday,   9:00 – 9:30am, 1:30 – 3:00 pm
Tuesday,   9:00 – 9:30am, 1:30 – 3:00 pm
Wednesday,   9:00 – 9:30am, 1:30 – 3:00 pm
Thursday,   9:00 – 9:30am, 1:30 – 2:30 pm
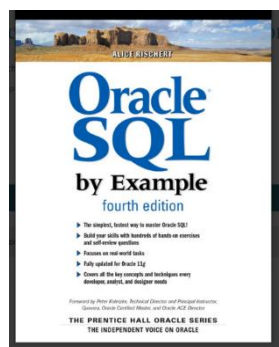
Required Textbook/Materials:
Title: Oracle by Example, Fourth Edition
Author: Alice Rischert
Publisher: The Prentice Hall Oracle Series
ISBN-13: 978-0-137-14283-5
ISBN-10: 0-137-14283-8

Course Description:
This course studies database development using database programming techniques, emphasizing database structures, modeling, and database access. The Oracle Database Management System is studied.

Course requirements:
If you want to do some of your assignments at home, you must download and install both the free versions of both Oracle Express 11g and SQL Developer. The URL is www.oracle.com. Click on downloads. Both Oracle Express and SQL Developer come in both 32-bit and 64-bit versions. We will go through the installation process in detail in class.

The first page of the PREFACE in the textbook identifies the companion website, www.oraclesqlbyexample.com, where scripts are found to initialize the student's Oracle instance. Running these scripts is mandatory. We will examine these scripts in class

Determination of Course Grade/Detailed Grading Formula: (methods of evaluation to be employed to include a variety of means to evaluate student performance)

COURSE ITEM	% of Total Grade
Assignments	50%
Assessments	50%
Total	100%

Grading Scale:

Percent	Letter Grade
90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
Below 60%	F

Late Work, Make-Up, and Extra-Credit Policy:
All students are expected to complete assignments on time. Due dates will not be extended. There is no extra credit in this course.

Attendance Policy:
Students are expected to attend class.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

Student Learner Outcome (SLO)	Maps to Core Objective(s)	Assessed via this Assignment
1. Develop database applications using a structured query language	Critical Thinking Skills	Ch. 2 Data Retrieval Assignment
2. Create queries and reports from database tables	Communication Skills (Visual)	Ch. 4 SELECT from Instructor Table
3. Implement data integrity	Social responsibility	Chapter 7 Workshop Assignment (Equijoins)

4. Optimize query performance	Empirical and Quantitative Skills	Chapter 13 Workshop Assignment
5. Create and maintain indexes	Critical Thinking Skills	Chapter 13 Workshop Assignment
6. Create appropriate documentation	Communication Skills (Written)	Chapter 12: Create Table Assignment

Academic Dishonesty:

Any incident of academic policy will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a grade of zero on that exam and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Student Concerns:

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Mr. Leslie Richardson, Math and Computer Science Department Chair, at 409-933-8329, email lrichardson@com.edu.

Course outline:

Week	Date	Topic
1	8/22-8/24	Introduction and Syllabus Review. Oracle Installation and Setup Chapter 1: SQL and Data
2	8/29-8/31	Entity-Relationship Diagram (ERD), Chapter 2: SQL
3	9/5 holiday - 9/7	Chapter 2: SQL: The Basics
4	9/12-9/14	Chapter 3 WHERE and ORDER BY
5	9/19-9/21	Chapter 4: Character, Number, and Miscellaneous Functions
6	9/26-9/28	Chapter 5: Date and Conversion Functions
7	10/3-10/5	Chapter 6: Aggregate Functions, GROUP BY and HAVING clauses
8	10/10-10/12	Chapter 7: Equijoins
9	10/17-10/19	Chapter 8: Subqueries
10	10/24-10/26	Chapter 9: UNION, UNION ALL, MINUS, INTERSECT Set Operators
11	10/31-11/2	Chapter 10: Complex Joins, self-joins
12	11/7-11/9	Chapter 11: INSERT, UPDATE, DELETE, Transaction Control
13	11/14-11/16	Chapter 12: CREATE, ALTER, DROP Tables
14	11/21-11/23	Chapter 13: Indexes, Sequences and Views
15	11/28-11/30	Chapter 14: Data Dictionary, Scripting and Reporting
16	12/5-12/7	Chapter 15: Security

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook.<https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Michelle Brezina at 409-933-8124 or mvaldes1@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 5. The last date to withdraw from the 16-week session is November 18. The last date to withdraw for the 2nd 8-week session is December 1.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:
If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here https://www.com.edu/community-resource-center/. College of the Mainland has partnered with

free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Syllabus Updates:
The instructor reserves the right to update this syllabus. All changes will be communicated to all students immediately.