

Subject to changes!!!

<p>Instructor: Dr. Martha Malaty Office: Computing Center, Room D Office Hours: Check my main homepage Email: (Better use Yahoo Email!) m_malaty@yahoo.com mmalaty@occ.cccd.edu My Main Homepage: http://faculty.orangecoastcollege.edu/mmalaty/index.html Phone: (on-Campus) Ext: 21127 (off-Campus) (714) 432-5616</p>	<p>Units: 4 CRN:34090 Format: On-Campus Class Time: Tuesdays 6-10:15 pm Location: Computing Center, Room 109 Schedule: http://faculty.orangecoastcollege.edu/mmalaty/CIS183Schedule.pdf</p> <p>Useful Videos & Demos:</p> <ul style="list-style-type: none">• Class Orientation• Blackboard Learn Login• Class Navigation• On-Campus BB Learn Tutorials• Oracle 10g Express Installation Video• Oracle 10g Enterprise Edition Installation Video
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General Information

CIS A183 is the second course in the series of courses for Oracle Developer Certificates. The first course (CIS 182) covered an introduction to database concepts, main definitions of the relational model and how to represent the model using Entity-Relationship Diagram (ERD). To manipulate the tables in a database system, we use a special language called SQL (Structured Query Language). Details of SQL will be covered in this course. Following this course you can take CIS 184 (PL/SQL Programming, where you will learn PL/SQL (Procedural Language SQL), which is a procedural programming language used as an alternative to issuing multiple SQL statements, that extends the capabilities of SQL.

OCC Catalog Description

An introduction to Structured Query Language (SQL) for the Oracle environment. Students will learn how to manipulate data objects (create, store, retrieve, and modify data) and how to write script files using the SQL*Plus environment. Provides preparation for students seeking Oracle Developer certification. This course may also be offered online. May be taken for grades or on a credit-no credit basis.

Transfer Credit: CSU

Text

- ["Joan Casteel, Oracle 11G: SQL, 2nd Edition"](#), © Course Technology- Cengage Learning, 2010, ISBN: 1439041288 or ISBN13: 9781439041284.
- There is also an electronic version of the text book for some discount. Check this link and enter the ISBN of the book: <http://www.ichapters.com>

Notes:

- Check this link for a video demo on ["How to purchase the textbooks"](#)
- You can get the book bundle from the following:
 - [OCC Book Store](#)
 - [Publisher's website](#) (CengageBrain)
- You can even rent the books from
 - [OCC Bookstore](#) Rental
 - [Cengage Brain](#)
- You can check in the library for the optional texts instead of purchasing them.

Recommended Preparation

CS A111 & CIS A182

Materials

Text book(s), and **Lots of ENTHUSIASM, TIME, & PATIENCE**

Software used

- **Oracle 11g:** (You can also use **Oracle 9i** or **Oracle 10g**).
- The main site for Oracle downloads is <http://www.oracle.com/technology/software/index.html>
 - **Oracle 11g:** <http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html>
 - **Oracle Database 10g or 11g Express Edition Release 2** at <http://www.oracle.com/technetwork/database/express-edition/overview/index.html>
 - that is very easy to install and consumes less memory. You can install this on your home machine. You can also see a flash video on how to install. The link is at the top of this syllabus. Thanks to Raul, our IT specialist, for making the presentations for us. .
- Since Spring 2008, you can now connect to **Oracle Server** from home. Each of you will get a username and password to connect to the server. If the server is down for any reason, you can either work on the dedicated machines in the Computing Center or download and install the software on your computer.

I would recommend that you start with Oracle Express, so that you do not mess up your computer. You should also backup your system and **disable the fire-wall** and **virus scanner** before the installation.

Students' File Downloads

Data files for exercises are available on the Cengage Learning (Formerly Course Technology) website by accessing the book's "[Casteel Companion Site](#)" and then download the "[1439041288_171981.zip](#)" file and unzip it to get the material for all chapters. Tables in the database can be reset if you encounter any problem by running the **JLDB_Build.sql** file.

In-Class and Homework Assignments/Projects

For each chapter and/or week, you will have to submit some **In-Class (Hands-On)** and **Homework (Project)** assignments. The in-class assignment should be submitted before you leave the class at the day of the lecture. The homework assignment should be submitted before the due date. You will submit both the in-class & homework assignment in the same assignment drop box in the "**Assignments**" of the Blackboard environment. You will be able to take the assignments back to add or take back any file, up to the due date. I will check the time-stamp for each file to know that you have submitted it in the designated time. After the due date, you will not be able to add any more files.

Quizzes and Tests

During the semester, one quiz will be given after each chapter. The midterm will be around the 8th week. Check the [tentative schedule](#) for the dates of the midterm and final exams. Quizzes and exams will be in the form of True/False, Multiple-Choice, and/or Short questions.

Note: There are NO MAKE-UP's for any reason for missed assignments, quizzes, or exams.

Grading

Tentative Grade Distribution

In-Class & Homework Assignments: 14, 25 points each.	350 points
Quizzes: 14, 15 points each.	210 points
Midterm and Final: 150 points each.	300 points
Estimated total points:	860 points

Letter Grade Criteria

A	>= 90%
B	80 - 89%
C	65 - 79%
D	50 - 64%
F	<= 49%

What is expected from you?

- This class is an on-campus class. You are required to attend regularly
- Check the announcements periodically. I will always post the urgent messages there.
- Read this entire syllabus carefully and follow the links that it refers to.
- Read all the textbook material for each week before you come to the class.
- Submit all the assignments and take the quizzes long before the deadline. **Do not wait until the last minute.** I might not be able to help you then with your questions. **I will NOT accept any late assignments.**
- Participate actively in all class discussions.
- Email me, through Blackboard email facility, in case you have a specific problem or question involving class material that cannot be discussed in the discussion section. Do not use OCC mail. If necessary, use my Yahoo email account.

What should you expect from me?

- I will grade the submitted assignments usually during the weekend following the submission. Please do not expect me to do that during working days, since I usually have other classes and/or commitments.
- I will be available during office hours for face to face meetings or through email. No appointment is necessary to come during my office hours.
- You can reach me faster via email rather than phone. If blackboard email does not work, please email me through my **yahoo account**, since the college's email memory quota is pretty small.

Student Learning Outcomes

By the end of this class you should be able to:

- Retrieve data from more than one table using various join operations, perform self joins, set operations, nested queries, and subqueries.
- Use Data Definition Language (DDL) commands to manage tables, views, sequences, synonyms, and indexes.
- Use Data Manipulation Language (DML) commands to manipulate rows or columns.

Course Objectives

When you finish this course you should be able to:

- Explain relational database concepts and terminology and recall how to create and run SQL commands and usage of SQL functions and nested queries.
- Recognize data types for defining columns in SQL tables and employ use of NULL, LIKE and IN operators.
- Explain how to write basic queries using the SELECT command, how to use subqueries, and produce queries using input variables.
- Demonstrate how to add rows to tables and retrieve specific rows using SQL commands.
- Recall how to use compound conditions, computed columns, and sort data using multiple or single keys in either ascending or descending order.
- Explain how to retrieve data from more than one table, join a table to itself, perform set operations, nest queries, and use aliases.

- Recall when and how to use the commit and rollback commands, update data, insert new data, delete data, create new table from an existing one, and change table structure.
- Demonstrate how to use concatenation in a query and create views for reports. Underline the key principles of changing column heading, adding titles and subtitles, group data, and include totals in reports.

Special Needs

If you have any special needs or disabilities that should be accommodated to be able to complete this course successfully, please let me know no later than the first week of class. You should also contact the **Disabled Student's Center (432-5807 or 432-5605 TDD)** and they will assist you.

Academic Honesty

- You are expected to follow the Academic Honesty Policy stated in the [OCC catalog](#). Examples of violation of Academic Honesty
 - Obtaining information from another student during an examination
 - Communicating information to another student during an examination
 - Knowingly allowing another student to copy your work
 - Offering another person's work as your own
 - Taking an examination for another student or having someone take an examination for you
 - Sharing answers for collaborative project and take-home examination unless specifically authorized by the instructor
 - Using unauthorized material during an examination
 - Altering a graded examination or assignment and returning it for additional credit
 - Having another person or company do research writing and/or rewriting of an assigned paper or report
 - Misreporting or altering the data in laboratory or research project