

CIS 064B - 55L
(CRN 22330)

Fall, 2014

INTRODUCTION TO SQL

INSTRUCTOR: Hellen Pacheco

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CLASS HOURS: Saturday 9:00 a.m. – 1:00 p.m. (AT 204)
Wednesday 10 p.m. – 11:15 p.m. (online)

OFFICE HOUR: Tue 9:30 a.m. – 10:30 a.m (computer lab)

FINAL: Saturday, December 6, 9:00 a.m. – 11:00 a.m.

Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Computer Information Systems 64A.

Course Description:

Introduction to Oracle SQL (Structured Query Language), DML (Data Manipulation Language) processing techniques, DDL (Data Definition Language) techniques, selecting and sorting data, joins, SQL functions, Oracle objects, Oracle data processing concepts to maintain large database systems.

Goals: Upon completion of the course, the student will be able to:

- A. Understand the basic features of Databases
- B. Write basic SQL statements to Restricting/Sorting Data
- C. Use Single row functions
- D. Use Joins to get data from multiple tables
- E. Aggregate data and write subqueries
- F. Format Output and write DML statements
- G. Create Database Objects
- H. Use different levels of user access and variables
- I. Use Control Structures, Composite Datatypes
- J. Use Cursors
- K. Include Exception Handling in their SQL code

Attendance:

You are expected to attend all class sessions. Lectures will be the main source of information for both labs and exams. You will **not** be automatically dropped if you do not come to class. Thus, be sure to withdraw officially by Nov 14, to avoid 'F' grade on your transcript.

Required Text:

ISBN10: 0321444434 ISBN13: 9780321444431

SQL Queries for Mere Mortals®: A HandsOn Guide to Data Manipulation in SQL
John L. Viescas (Author), Michael J. Hernandez (Author)

Helpful Reference:

ISBN10: 0596518846 ISBN13: 9780596518844

SQL in a Nutshell (In a Nutshell (O'Reilly)) by Kevin Kline, Brand Hunt and Daniel Kline

Required Accounts:

- a. windows acct to access database from the lab.
- b. De Anza's Oracle Database
- c. unix acct to access database remotely

Assessment:

Classwork	10%
Quizzes (drop lowest)	10%
Labs (6)	30%
Midterm (2, drop lowest)	25%
Final	25%

Course letter grades will be assigned:

A+	A	A-	B+	B	B-	C+	C	D	F
99+%	92-98%	90-91%	88-89%	82-87%	80-81%	78-79%	70-78%	60-69%	<60%

Where percentages are rounded to the nearest whole number.

For Pass/No Pass: Credit assigned with 70% or higher

All Labs must be submitted through Catalyst. Late labs will be accepted for up to one week after the due date with a 5 point penalty. After the one-week limit the assignment will receive no credit.

Tests and quizzes will be on Catalyst but must be taken in class. There will be a short quiz at the beginning of each class and two midterms scheduled ahead of time (please, check Catalyst for dates). There are no make-ups for tests or quizzes. I will drop the lowest score of each, so if you miss a test or quiz, that will be the one to be dropped.

Academic Honesty:

You are encouraged to discuss the ideas presented in the class. But you must work your solutions independently and all assignments and tests should be your own original work. Copying or Cheating of work will result in zero grade for that assignment.

Calendar and Course Outline:

Refer to Catalyst: <https://catalyst.deanza.edu>

Important Dates

Sunday, Oct. 5 :: Last day to drop a class with no record of grade. Drop date is enforced.

Friday, Nov. 14 :: Last day to drop with a "W." Withdraw date is enforced.

Holiday

Monday, Nov. 10 :: Veterans Day (classes will be held on Nov. 8)

Thursday - Sunday, Nov. 27 - 30 :: Thanksgiving Holiday Recess (college closed)