

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

Transfer course

A.A. degree applicable course

COURSE NUMBER AND TITLE: CSIS 252 - Introduction to Oracle

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS:

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

An introduction to relational database concepts including the design and creation of database structures to store, retrieve, update and display data.

SPECIFIC COURSE OBJECTIVES: The successful student will:

- A. Explain relational database concepts.
- B. Write a Basic SELECT statement
- C. Restrict and sort data.
- D. Display data from multiple tables
- E. Nest queries
- F. Aggregate data with group function
- G. Control user access
- H. Develop PL/SQL blocks of code and interact with the Oracle server
- I. Code decisions and repetitive action in PL/SQL
- J. Work with composite data types
- K. Execute SQL and PL/SQL statements using SQL *Plus

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- A. Overview of the Oracle environment
- B. Relational database concepts
- C. Introduction of PL/SQL
- D. Writing a SELECT statement
- E. Using SQL extensions
 - 1. Restrict and sort data
 - 2. Display data from multiple tables
 - 3. Nest queries
 - 4. Aggregate data with group function
- F. Manipulating data and controlling transaction processing
- G. Creating and managing table and other database structures
- H. Controlling user access
- I. Coding decisions and repetitive actions in PL/SQL
- J. Error processing in PL/SQL
- K. Working with composite datatypes
- L. Executing SQL and PL/SQL statements

REQUIRED READING:

Feuerstein, Steven Oracle PL/SQL Programming 2nd edition. O'reilly Publishing Co., 1997.

SUGGESTED READING: None

REQUIRED WRITING:

- A. Database analysis document
- B. Database design document
- C. Database SQL/PL code

Above document are at least one page each.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

There are written homework exercises which are assigned, requiring an average of one hour to complete. In addition, numerous computer lab exercises are assigned, each ranging from one to ten hours to complete by an average student.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380. Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
- mediated instruction
- computer assisted instruction

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Programming Assignments	50%
Tests	10%
Midterm	15%
Final	25%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s) 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON: Walter R. Pistone

SIGNATURES ON FILE