

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Information Technology Systems</u>
COURSE RUBRIC AND NUMBER	<u>ITSE 1345</u>
COURSE TITLE	<u>Introduction to Oracle SQL</u>
COURSE CREDIT HOURS	<u>3 3 : 1</u> Credits Lec Lab

I. Catalog Description

Introduces the design and creation of relational databases using Oracle. Includes topics on storing, retrieving, updating and displaying data, and using Structured Query Language (SQL). **(3:1)**.

II. Course Objectives

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

- A. Describe the basic architecture and components of databases and the Oracle system.
- B. Identify and outline the major tasks and steps of database design.
- C. Utilize SQL*PLUS in an Oracle environment.
- D. Develop queries and SQL scripts using basic record retrieval commands.
- E. Develop queries and SQL scripts using sorts, joins, and group functions.
- F. Design and develop reports and apply formatting techniques.
- G. Identify and implement subquery methodologies.
- H. Create, modify, and drop database tables using Data Definition Language.
- I. Enhance database integrity by designing and utilizing database constraints.
- J. Use Data Manipulation Language to insert, update, and delete records.
- K. Create Views and other Database Objects.

III. THECB Learning Outcomes (WECM)

1. Write Structured Query Language (SQL) statements using Oracle.
2. Select and sort data.
3. Produce reports with SQL*Plus.
4. Create and manage tables which include constraints.
5. Create Views and other database objects.

IV. Evaluation

- A. Preassessment
 - None
- B. Postassessment
 1. There will be four (4) written examinations. The final exam will be comprehensive.

2. Homework assignments will be assigned at the instructor's discretion and will be averaged on a 100-point scale.
3. Lab assignments will be assigned at the instructor's discretion and will be averaged on a 100-point scale.

C. Remediation

The instructor may provide the students with means of improving a grade. The instructor will determine the timing, form, and method of remediation.

D. Final Grade

The final grade report will be based on the percentage of the total points earned.

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.