



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CIS 4210 Database Administration
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Install and configure an Oracle Database Management System (DBMS).
 - a. Identify the features of the Oracle Universal Installer and their uses.
 - b. Build and manage initialization parameter files.
 - c. Describe the contents of and explain the uses of the control file.
 2. Administer profiles for an Oracle Database Management System.
 - a. Build new database users and monitor information about existing users.
 - b. Manage passwords using profiles.
 - c. Build, modify, and manage roles.
 3. Describe the Oracle architecture and its main components.
 - a. Describe the logical structure of table spaces within the database.
 - b. Describe the logical structure of table spaces and segments within the database.
 - c. Identify and manage system and object privileges.
 4. Examine common database administrative tools available to a database administrator (DBA).
 - a. Identify the features of the Oracle Enterprise Manager and their uses
 - b. Build a database manually and by using Oracle Database Configuration Assistant
 - c. Build and manage table spaces
 - d. Describe the purpose of undo data
 - e. Monitor the use of diagnostic files
 5. Examine the components of a cloud environment running an Oracle DBMS.
 - a. Analyze the economies of scale running a DBMS environment in-house versus cloud.
 - b. Discuss the advantages and disadvantages of a cloud DBMS environment.
 - c. Describe the differences supporting a DBMS cloud versus internal environment.
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These SLOs are approved for experiential credit.

Effective: Fall 2017