BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CIS4220 Database Programming II

3 Semester Hours

Student Learning Outcomes and Enabling Objectives

1. Utilize SQL Developer to write queries and administer a DBMS
    a. Examine the structure of a table
    b. Check the execution plan of a query
    c. Identify a blocking session
    d. Terminate a blocking session
2. Administer Database Monitoring
    a. Administer database availability & performance
    b. Administer changes
    c. Administer security
    d. Administer backups
3. Identify troubleshooting processes to fixing Oracle Issues
    a. Use the Five Step Problem Solving Method
    b. Explain Incident Management VS Problem Management
    c. Identify Error Codes
4. Administer Oracle DBMS Backups with the RMAN Utility
    a. Execute Backups
    b. Execute Database Restores
    c. Execute Flashback Database
5. Perform Database Maintenance of the Oracle DBMS
    a. Perform Auditing and Log Files
    b. Perform User Management
    c. Perform Capacity Management
    d. Perform Patching
6. Understand 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 the various cloud DBMS environments
    c. Describe the differences supporting and administering a DBMS cloud versus internal environment

These SLOs are approved for experiential credit.

Effective: Fall 2017