



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

CIS 2450 Intermediate Database Management
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Review elementary database fundamentals.
 - a. Explore among the objects in an Access database
 - b. Explore the normalization process including update anomalies
 - c. Establish methodologies used for user views, relationships, and normalization
2. Review relational databases and multi-table queries.
 - a. Create tables
 - b. Establish table relationships
3. Summarize query data.
 - a. Describe the order of precedence
 - b. Run queries using query wizard
 - c. Use the Expression Builder
 - d. Create data aggregates
4. Create calculations in reports and forms.
 - a. Use the Report Wizard
 - b. Create a report
 - c. Identify report elements, sections and controls
 - d. Create forms using the forms tools
 - e. Create sub-forms
5. Establish the integrity, validation, and reliability of data.
 - a. Establish data validity
 - b. Use analysis tools to improve database performance and documentation
 - c. Integrity constraint and enforcement methods
 - d. Review factors in selecting a new DBMS
6. Customize a databases with macros and Visual Basic for Applications.
 - a. Program a database using macros
 - b. Assign macros to events
 - c. Program a database using Visual Basic for Applications (VBA)
 - d. Import/Export data objects as HTML files
 - e. Share data with Excel

7. Explain the principle activities and issues that are the responsibility of a database administrator.
 - a. Establish user policies
 - b. Establish security
 - c. Handle backup and recovery
 - d. Update product design, implementation, and control
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These SLOs are approved for experiential credit.

Effective: Fall 2017