

Master Syllabus

BIS 1260 - Database Software

Division: Business and Public Services

Department: Business Information Systems

Credit Hour Total: 3.0 **Lecture Hrs:** 3.0

Prerequisite(s): BIS 1120 OR BIS 1221

Date Revised: November 2015

Course Description:

Students will learn to design and manage databases using the relational model, use database objects to manage data including data integrity, data analysis and reporting, learn to derive useful information from raw data using functions and querying techniques, and create end-user database applications.

General Education Outcomes:

- ▣ Written Communication Competency
- ▣ Critical Thinking/Problem Solving Competency
- ▣ Computer Literacy Competency
- ▣ Information Literacy Competency

Course Outcomes:

Relational Database Design

Design a simple database using the relational model.

Assessment Method: Locally developed exams

Performance Criteria:

Obtain at least 75% on projects or exams.

Assessment Method: Simulations

Performance Criteria:

Obtain at least 75% on homework assignments and quizzes.

End-user Applications

Develop end-user database applications to automate commonly used commands.

Assessment Method: Locally developed exams

Performance Criteria:

Obtain at least 75% on projects or exams.

Assessment Method: Simulations

Performance Criteria:

Obtain at least 75% on homework assignments and quizzes.

Data Integrity

Utilize database tools to ensure data integrity.

Assessment Method: Locally developed exams

Performance Criteria:

Obtain at least 75% on projects or exams.

Assessment Method: Simulations

Performance Criteria:

Obtain at least 75% on homework assignments and quizzes.

Raw Data to Useful Information

Develop queries and utilize built-in functions to extract discernable information from raw data.

Assessment Method: Locally developed exams

Performance Criteria:

Obtain at least 75% on projects or exams.

Assessment Method: Simulations

Performance Criteria:

Obtain at least 75% on homework assignments and quizzes.

Reporting - Presenting Information

Utilize database software tools to transform information into appropriate formats.

Assessment Method: Locally developed exams

Performance Criteria:

Obtain at least 75% on projects or exams.

Assessment Method: Simulations
Performance Criteria:

Obtain at least 75% on homework assignments and quizzes.

Outline:

Relational Database Design

Data Integrity

Raw Data to Useful Information

Reporting/Presenting Information

End-user Applications