

MASTER SYLLABUS

Course Number & title: BUS 470 – Database Management
Department(s): Accounting/MIS
Credit hours: 3
Prerequisites: BUS372 or permission of instructor
Fees and charges: None

Effective catalog date for this master syllabus: 2007-2008

1. Catalog description:

An introduction to databases with emphasis placed upon the various uses of database management systems rather than on their design, development, or administration. Data and file structures will be analyzed in order to understand the system's design considerations posed by global and distributed databases.

2. Course content:

The course will cover the following topics:

- a. E-R Modeling
- b. Relational Database Theory
- c. Normalization
- d. SQL
- e. Database Administration

3. Student learning objectives:

Upon completion of the course, students will:

- a. Understand the database development activities during each stage of the System Development Life Cycle.
- b. Understand relational database theory, especially the concept of normalization.
- c. Be able to create, manipulate, and query databases using SQL.
- d. Be familiar with a broad range of database management issues including data integrity and security.

4. Student assessment criteria:

Students will be assessed through a combination of lab assignments, exams, and a group project/presentation.

5. Instructional Approach:

The material in this class will be presented primarily through lectures and SQL demonstrations.

Textbook: Hoffer, J.A., Prescott, M.B., and McFadden, F.R. Modern Database Management (Eighth Edition), Upper Saddle River, NJ: Prentice Hall, 2007