

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

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Date: December 4, 1991
Date: September 30, 1996
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A. Identification:

1. Subject Area: Computer Information Systems
2. Course Number: CIS 125
3. Course Title: INTRODUCTION TO DATABASES
4. Credit Hrs: 3
5. Catalog Description:

Database design using the relational model and entity-relation diagrams. Concepts and capabilities of database management system (DBMS) software through extensive hands-on experience. No prior experience necessary. Three lecture. May be taken for S/U credit.

B. Course Goals:

To provide students with necessary knowledge and skills to become competent users of database management system software packages in the work place. Students will demonstrate knowledge and skills in designing and using a computerized relational database management system to store, manipulate, retrieve, and report on business information.

C. Course Outcomes:

Students will:

1. Perform the basic procedures necessary to use a database management system (DBMS) software package.
2. Determine the proper and improper DBMS uses in a business setting.
3. Enter, delete, modify, and retrieve data using a DBMS.
4. Create complex queries to retrieve and manipulate specific pieces of information from a database.
5. Create and use forms and reports using a DBMS.
6. Create a well-designed functioning GUI using Macros, and apply VBA code to objects within the database.
7. Set Startup Options and apply Security Settings.
8. Create Data Access Pages and static HTML documents.
9. Split a database, replicate a database, and perform import and export operations.
10. Design database applications by creating a working entity-relation diagram and implementing it using a DBMS.

D. Course Outcomes Assessment:

Assessment will include:

1. Pre and Post Test assessing terminology
2. Final Practical Exam covering summary of all software functions

E. Course Content:

Will include:

1. Overview of DBMS
2. Data entry, modification and deletion
3. Queries, Forms, Reports, Data Access Pages, Macros and Modules
4. Security and Management
6. The Relational Model and database design