

CATALOG INFORMATION

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Dept & Nbr: CSC 166 Title: DATABASE SOFTWARE
Full Title: Database Software

Units	Course Hours	Per Week	Nbr of Weeks	Course Hours	Total
Max: 3.0	Lecture	2.5	17	Lecture	42.5
Min: 3.0	Lab	1.5		Lab	25.5
	Contact DHR	0.0		Contact DHR	0.0
	Contact Total	4.0		Contact Total	68.0
	Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic
Grading: GC Credit course for grade or CR/NC
Repeatability: 02 3 ENROLLMENTS
Also listed as:

CATALOG DESCRIPTION:

This course will cover the study of concepts, terminology uses and applications of microcomputer database software in homes and small businesses. Students will examine and learn to use the software to organize and store data and information.

PREREQUISITES:

COREQUISITES:

RECOMMENDED PREPARATION:

No advisories.

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:

This course will cover the study of concepts, terminology uses and applications of microcomputer database software in homes and small businesses. Students will examine and learn to use the software to organize and store data and information. (Grade or CR/NC) (Repeat Code 2)
Transfer Credit: CSU.

ARTICULATION and CERTIFICATE INFORMATION

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ASSOCIATE DEGREE: Effective: FALL 2007 Inactive:
Area: D2 COMMUNICATIONS & ANALYTICAL THINKING

CSU GE: Effective: Inactive:
Transfer area:

IGETC: Effective: Inactive:
Transfer area:

CSU TRANSFER: TRANSFERABLE Effective: FALL 2006 Inactive:

UC TRANSFER:

Effective:

Inactive:

CAN:

CERTIFICATE APPLICABLE: C CERTIFICATE APPLICABLE COURSE

APPROVAL AND DATES

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Version 05 Submitted by: TONIA WIDLER Date: 03/07/2007
Department approved: Debra Polak Date: 03/07/2007
Curriculum approved: 06/01/1981 Version approved: 02/23/2007
Prerequisites approved: 08/01/1989 Last reviewed: 02/23/2007
Term effective: FALL 2007 Last taught: SPRING 2008 Inactive:

COURSE CONTENT

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OUTCOME AND OBJECTIVES:

1. Understand the concepts and terminology associated with database software.
2. Construct a database to store and retrieve data. Be able to
 - a. enter, update, delete and otherwise manipulate the data.
 - b. construct a variety of complex queries using sorting, and selecting data.
 - c. utilize the formatting features of the particular product being used.
 - d. utilize the database "programming language" capability to customize the application.
 - e. utilize the advanced features of the particular product being used.
 - f. design and create reports from the data.
3. Be aware of the variety of potential applications of database software.
4. Be able to discuss techniques and considerations in building a good database.
5. Be able to discuss the different features available on different commercial products, and be able to identify which product would best suit a particular situation.

TOPICS AND SCOPE:

1. Terminology and basic concepts associated with database software.
2. Introduction to the concepts of database building fields, files, and records.
3. Discussion of input form design and output (report) design.
4. Query strategies including methods for sorting and selecting data.
5. Discussion of "programming language" capability and other advanced features of the particular product being used.
6. Discussion of commercial product available, including their similarities and differences, availability, cost and other specifications.
7. Discussion of potential applications for database systems in a variety of home and business settings.

ASSIGNMENTS:

READING ASSIGNMENTS:

Students will be required to read and study handouts and software manual(s).

Examples of appropriate readings are: Access 2002 by Adamski and Finnegan. Published by Course Technology.

WRITING ASSIGNMENTS:

Students will create databases. Substantial additional writing is inappropriate because the course primarily involves the application

of skills learned in the course.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of two hours of independent work out of class for each unit of lecture credit by doing the following:

1. Skill practice in preparing databases.
2. Reading assignments as indicated on course syllabus.
3. Completion of assigned exercises.

ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

1. Design, produce, and alter a database.
2. Translate a verbal assignment in the logical steps needed to extract the answer from the computer using a database.
3. Building query strategies.
4. Comparing database products, to determine which best meet a set of criteria.

METHOD OF INSTRUCTION:

Lectures, skill demonstrations, group activities, handouts, reading assignments, and/or class discussion.

METHODS OF EVALUATION:

1. Skill demonstration will constitute at least 50% of the grade
2. Quizzes/tests/in class evaluations
3. Comprehensive final exam

BASIS FOR GRADING:

The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

REPRESENTATIVE TEXTBOOKS:

Access 2002 by Adamski and Finnegan. Published by Course Technology.