

CSIT 134

Comprehensive Databases

3 Credits

Community College of Baltimore County
Common Course Outline

Description

CSIT 134 – Comprehensive Databases: offers a comprehensive study of databases to design, create, and modify databases for professional and personal use.

Pre-requisites: CSIT 101 or permission of program coordinator

Overall Course Objectives

Upon completion of this course, students will be able to:

1. create databases;
2. create and modify tables;
3. manage table relationships and keys;
4. manage databases;
5. add, edit, and delete records;
6. sort and filter records;
7. create and manage forms;
8. create and modify queries;
9. create and modify reports;
10. print, import, and export data from database objects;
11. write and interpret basic Structured Query Language (SQL);
12. apply file management techniques; and
13. troubleshoot database issues.

Major Topics

- I. Manage databases
 - a. Modify database structure
 - b. Manage table relationships and keys
 - c. Print and export data
- II. Create and modify tables
 - a. Create tables
 - b. Manage tables
 - c. Manage table records
 - d. Create and modify fields
- III. Create and modify queries
 - a. Create and run queries
 - b. Modify queries
- IV. Create and modify forms

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

- a. Configure form controls
 - b. Format forms
- V. Create and modify reports
 - a. Configure report controls
 - b. Format reports
- VI. Print, import, and export data from tables, queries, forms, and reports
- VII. Write and Interpret SQL
- VIII. Manage files and folders
- IX. Inspect databases and troubleshoot issues

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- three quizzes
- three capstone projects
- two exams, one of which must be a comprehensive final exam

Other Course Information

This course helps prepare students for a Microsoft Access certification exam.

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