

Computer Information Department Course Outline

CISM 1423 Database Management I (On Demand)

Catalog Description

This course is an introduction to Database Management including installation, user management, clustering, concurrency, and data migration. Emphasis will be given to applying student skills to real world situations

Prerequisites/Corequisite:

CISM 1433 – SQL Concepts

Credit hours/Contact hours/Load hours

3/3/3

Target Audience/Transferability

This course is for students seeking introductory training and hands-on experience in installing and managing an Enterprise level database.

Student Learning Outcomes

The students completing this course will:

- Understand how to install and configure a database solution
- Understand user roles and security
- Understand XML
- Demonstrate an understanding of clustering database instances
- Understand SQL instances
- Understand and resolve issues with concurrency and data migration

Topics

- Implement error handling
- Plan installation
- Install Server and related services
- Implement a migration strategy
- Configure additional Server components
- Manage SQL Server Agent
- Manage and configure databases
- Configure and Manage SQL instances
- Implement a SQL Server clustered instance
- Identify and resolve concurrency problems
- Collect and analyze troubleshooting data

Forms of Assessment

Exams, Quizzes, Projects