

Computer Information Department Course Outline

CISM 2503 ADVANCED SPREADSHEET ANALYSIS (Fall-Odd Years)

Catalog Description

This course covers advanced spreadsheet features continuing from CISM 1503 including advanced data manipulation, using pivot tables, the creation of professional looking workbooks, using templates, developing customized events, creating customized user interfaces, macros and the use of GUI programming. (Outside lab time will be required.)

Prerequisite

CISM 1503 Spreadsheet Analysis (Excel)
PROG 1003 or equivalent (suggested but not required)

Target Audience/Transferability

This course is for students seeking self-improvement or an AAS degree in Computer Information

Credit Hours/Contact Hours/Load Hours

3/3/3

Student Learning Outcomes:

Students completing this course will:

- Demonstrate competence of microcomputer concepts using spreadsheet software
- Design, create, update, and maintain data base files, tables, forms and reports using a structured format
- Utilize basic math and Algebra skills
- Analyze problems and evaluate the output.
- Describe the need to provide accurate, dependable data to a variety of businesses and government offices

Topics

- Pivot Tables and Pivot Charts using Solver
- Decision Support Systems
- Scenarios
- Regression Analysis
- List Management
- Data Scrubbing
- Advanced Charting
- Troubleshooting Formulas
- Advanced Functions
- Visual Basic for Applications Programming
- Creating Custom Functions
- Creating Custom Forms
- Importing Data

Forms of Assessment

Projects/Assignments, Chapter quizzes, Workbooks with and without GUI programming, Final Project and Laboratory exercises.

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