CGS 1571 Computer Applications 2

Credits: 3 credits


Reference materials: Additional videos illustrating each chapter and how to transition from Microsoft Office 2007 to 2010 are available for viewing

Specific course information:

Catalog description: A distance learning course for non-business, non-engineering and non-computer science majors that covers technology concepts and mastering the use of important computer applications, including word processing, spreadsheets, presentation and database applications.

Prerequisites: No prerequisites. No corequisites. This is a service course that serves as a lower division elective for any major.

Specific goals for the course:

- Understand the underlying functionality of different types of computer applications, and examples of the computer as a useful tool.
- Understand when and how to use word processing computer applications to an intermediate level to create common business and personal documents.
- Understand when and how to use spreadsheet computer applications to an intermediate level to organize and calculate accounting-type information.
- Understand when and how to use presentation computer applications to an intermediate level to organize large amounts of information in a useful manner to develop slides to accompany an oral presentation.
- Understand when and how to use database computer applications to an intermediate level to organize large amounts of information in a useful manner.

Master how to integrate word processing, spreadsheet, presentation, and database computer applications to generate complex documents, presentations and reports.

Brief list of topics to be covered:

1. Word Processing (using Microsoft Word 2010)
   Create, format and modify documents containing graphics
   - Create new document and insert text, set and modify tab stops
   - Insert and format graphics and SmartArt Graphics, text boxes and shapes
• Preview and print documents
• Change document, paragraph, lists and text layout,

Create, and format documents using tables and templates
• Create and format tables
• Create a resume using a Word table
• Use template to create a cover letter and resume
• Use the proofing options

Create a research papers, newsletters and mail-outs
• Create a research paper that includes footnotes, citations and a bibliography
• Create a multiple-column newsletter using special character and paragraph formatting
• Create mailing labels using mail merge

2. Spreadsheets (using Microsoft Excel 2010)
Create and modify spreadsheets and use to calculate values

• Create a sales report with embedded charts and highlights
• Create, save and navigate a workbook, create and enter data in a cell and by range in a worksheet
• Construct formulas for mathematical operations, copy formulas, use functions,
• Format cells with merge, alignment and cell styles
• Chart data to create a column chart and insert sparklines
• Check spelling, print, and display formulas
• Format a worksheet

Use functions, create tables, and manage large workbooks