Outline of Instruction

Division: Business  Area: Computer Information Systems
Course Number: CIS 152  Course Name: VISUAL BASIC Programming
Prerequisite: CIS 132 or CIS 150
Corequisite: None
Hours Required: Class: 45  Lab:  Credits: 3

Course Description

This course uses VISUAL BASIC.NET to develop Windows applications. Utilizing microcomputers, students will design, build, run, save, modify and debug VISUAL BASIC.NET applications using VISUAL BASIC.NET interfaces, tools, forms, controls, properties and code.

Major Units

- An Introduction to VISUAL BASIC.NET
- Using Variables and Constants
- Structures - Sequence, Selection, and Repetition
- Sub and Function Procedures
- Manipulating Strings
- Sequential and Random Access Files and Menus
- Variable Arrays, List Boxes, and Combo Boxes

Educational/Course Outcomes

Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, essays, papers, projects, laboratory/clinical exercises and examinations, presentations, simulations, portfolios, homework assignments, and instructor observations.

Cognitive  Each student will be expected to Identify/Recognize...

- the process of building, running, saving, opening, closing, and modifying a VISUAL BASIC.NET application;
- the VISUAL BASIC.NET environment and related terminology;
- VISUAL BASIC.NET objects (form and controls) and properties;
- VISUAL BASIC.NET statement types and variables used in writing code;
- debugging and error handling techniques;
- the VISUAL BASIC.NET Help System.

Performance  Each student will be expected to Demonstrate/Practice...

- design and create interfaces using VISUAL BASIC forms, controls, and toolbox buttons;
- set the interface properties using the properties window;
- write VISUAL BASIC code using event types, procedures, decisions, loops, and arrays;
- debug the application to ensure no errors exist.