CIS 267 – Visual Basic Programming

Course Description

This course provides students with the knowledge and techniques needed to design and build distributed applications using the Visual Basic programming language. Students will use disciplined coding style, including documentation and coding style to write well-designed programs that solve business problems.

Instructional Materials


Course Learning Outcomes

1. Apply graphical user interface design principles.
2. Design conditional and iteration constructs appropriate to a given programming task.
3. Design well-written and readable programs using a disciplined coding style, including documentation and indentation standards.
4. Create Visual Basic applications that deploy on multiple platforms such as Web pages, Windows, and Office environments.
5. Demonstrate how to implement logic involving sequence, selection, and repetition using Visual Basic.
6. Create useful and well-designed programs that use subroutines, functions, menus, dialog boxes, and other related form objects to solve practical business problems.
7. Create appealing, interactive Web applications that can be delivered and executed on the Internet.
8. Demonstrate the ability to organize complex programs by using procedures and to anticipate and prevent errors by managing exceptions.
9. Describe how to create variables and assign values.
10. Explain operators and how they can be used to change values and compare expressions.
11. Design sophisticated, professional programs by using arrays and files that handle data and to make programs more robust by defining classes and using the power of inheritance.
13. Use technology and information resources to research issues in Visual Basic programming.
14. Write clearly and concisely about Visual Basic programming using proper writing mechanics and technical style conventions.