Course Objectives/Course Outline
Spokane Community College

Course Title: C#
Prefix and Course Number: CIS 256

Course Learning Outcomes:
By the end of this course, a student should be able to:

- Create application program specific specifications from a systems analyst system document.
- Apply object-oriented and structured programming techniques for solving problems.
- Create applications with common Windows controls
- Create applications that display graphics
- Test for validity the code created.
- Debug code as needed.

Course Outline:
  I. Creating applications with Visual Studio
     a. Labels, events, and debugging
 II. Input, variables, exceptions, and calculations
III. Making Decisions
     a. If-then statement
     b. If-Then…Else statement
     c. If-Then-ElseIf statement
     d. Short Circuit Operators
     e. Logical operators
     f. Working with strings
     g. Message Box
     h. Select Case statement
 IV. Lists, Looping, Validation
     a. Input boxes
     b. Do While loop
     c. For Next loop
     d. Tool tips
  V. Sub Procedures and Functions
     a. Passing arguments
 VI. Multiple Forms, User Menus and Context Menus
VII. Basic Database Connectivity
VIII. Arrays, Timers
     a. The enabled Property, Timer control, splash screens
     b. Anchoring and docking controls
     c. Random numbers
 IX. Files, Printing, and Structures
     a. OpenFileDialog, SaveFileDialog, FontDialog, ColorDialog Controls
  X. Classes, Exceptions, Collections, and Scrollable Elements