CIS185 Syllabus

Visual Basic Programming

Spring Quarter 2007

Announcements:

Mon, Apr 02, 2007 -- Greetings
Welcome to Spring Quarter!

Instructor: Jeff Weiss
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Class Time & Room
Room C176
Tuesday & Thursday 7:50 - 10:00PM

Course Description

This is a course in programming using the Visual Basic Language in the context of VisualStudio and the .NET Framework. This course will reinforce the programming concepts of data types, conditional logic and loops, structured design and object modeling, structured development and testing. Students will program Windows applications, graphical user interfaces with forms and controls, and access data from files, streams, and databases.

Prerequisites

CIS122 - Structured Program Design
CIS121 - Introduction to Computer Information Systems
MATH98 - Intermediate Algebra, or equivalent by instructor permission. This may also be a degree requirement which the instructor cannot waive.

Texts and Resources

- You will need removable storage such as diskettes or "thumb drives" in class for some activities.
- To complete your assignments you will need to have access, outside of class, to a microcomputer with Microsoft Windows, Microsoft Office, and a connection to the Internet. To install Visual Basic and develop programs you will need sufficient free space on the hard drive. If you do not have such a system available personally, please see the lab schedules for available times.
- You will use e-mail and the Internet for collaborating with others and for submitting assignments.
Learning outcomes for students successfully completing this course include being able to:

- Model system application objects using modeling techniques such as UML and Structured Analysis.
- Create classes and apply objects within an assembly using Visual Basic and Visual Studio.
- Describe various deployment mechanisms such as .NET Web Services and Microsoft Active Server Pages (ASP.NET).
- Compare and contrast user interfaces such as Windows Forms and ASP.NET.
- Develop user interfaces using controls and events; including menus and keyboard shortcuts.
- Create applications that access data from databases.
- Develop programs that use threads associated with forms.

Disability/Special Needs

Pierce College is dedicated to meeting the needs of its students. Any student needing special accommodations or arrangements must contact the Special Needs Coordinator within the first week of class at 840-8443. You should also tell your instructor if modifications need to be made to your seating assignment, to lecture style, or to assist you during an evacuation.

Assessment

A student's performance is evaluated in the following ways and combined with the weights shown. Successful students must be able to follow directions, complete assignments, and work independently as well as with a group.

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<th>Assessment of Class Participation</th>
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Assessment of Class Participation

Achieving a satisfactory grade in the course depends not only upon completion of homework and tests, but also upon consistent attendance and participation. Attendance is important and attendance will be taken. Brief absences for illness and unavoidable conflicts will be excused. Class participation means taking an active part in class. This includes being prepared to respond to questions on assigned reading material as well as asking pertinent questions. Please do not hesitate to ask questions, it is highly likely other students are wondering the same things you are thinking. Good participation also includes relating the text and lecture material to personal computing experiences.

Your participation in class demonstrates the outcome that you can use development and Visual Basic terminology, discuss techniques, and apply modeling concepts.

Take advantage of class time opportunities to share and discuss your ideas and experiences. We all learn and benefit from class discussions. If you miss class you miss out!

Assessment of Chapter Activities

Various reading, exercises and research projects from the textbook and other sources will be assigned as homework. Some class activities and assignments will be labs. While collaboration is encouraged to accomplish your research and studies, the work you turn in must be an individual effort. Please refer to the course assignments and calendar handouts for due dates.

Your homework and lab work shows the outcome that you can explain and describe Visual Basic features and concepts as well as compare features, and that you can model, develop, and troubleshoot Visual Basic programs.
All assignments are submitted online as discussion board entries, uploads, or as attachments to e-mail messages. Assignment contents must be properly labeled and in numeric sequence to receive full credit. In all assignment submissions, please indicate the Assignment, Chapter, Exercise, Question or Case number, any part or step number, and a page number from the textbook as appropriate. All materials submitted for credit must include your name as it appears on the class roster. The easier it is for me to identify your work, the easier it is for me to see your work in a favorable light and appropriately assign partial or extra credit. If I can't identify your work, you won't get credit. Assignments turned in online should contain only the final form of the files created for the assignment. Please keep your own copy of work you turn. I am most interested in your effort to address the homework problems, and to identify and relate the information requested. We will use as much class time as possible to review homework solutions and answer remaining questions.

Assessment of Exams and Projects

Quizzes may be scheduled at any time. Typically they are a combination of True/False, Multiple Choice, and Short Answer questions. They may present code snippets for completion or troubleshooting. The questions are drawn from the textbook, assignments and lectures. A mid-term and culminating projects will conclude the course.

Your quiz and project scores indicate the outcome that you can describe and compare Visual Basic features and concepts. Your projects demonstrate your modeling and development skills and effective use of VisualBasic, VisualStudio, and .NET features.

Assessment of Core Abilities

The Core Abilities of Critical Thinking, Effective Communication, and Information Competency are fundamental to all phases of programming from analysis, to design, through development, testing, and release, as well as documentation and maintenance. Multiculturalism is an important aspect of designing solutions that consider ease of use for all potential users. Programmers must consistently assume responsibility for correct designs and programs and anticipate maintenance and enhancements.

All of your work in this class is an opportunity to demonstrate your grasp of these Core Abilities.

Assignments, activities and evaluations are subject to change to meet course requirements.