C# PROGRAMMING
CSIT 2220

Class Hours: 3.0                     Instructor: 
Laboratory Hours: 3.0                Office: 
Credit Hours: 4.0                    Phone: 
Revised: August 2015                E-Mail: 

Catalog Course Description:
A study of object oriented programming through the use and practical application of the C# language. Topics include classes, objects, methods, GUI programming, graphics, databases, XML, Web pages and Internet.

Entry Level Standards:
The entering student must be familiar with one programming language. A working knowledge of logic design and problem solving is also essential.

Prerequisites: CSIT 1510

Textbook and Other Reference Materials:

Required Text book:
C# Programming from Problem Analysis to Program Design, by Barbara Doyle, Course Technology 4th edition.

I. WEEK/CHAPTER/TOPIC:

1  Chapter 1, 2, 9 Introduction to C#, C# User Interface Design, Data Conversions
2  Chapter 3, 9, Anatomy of Method, Windows Programming
3  Chapter 4, Creating Your Own Classes
4  Chapter 5, 6, 10, Radio Buttons and Checkbox controls
5  Chapter 10, Event Handling in C#, Using MessageBox
6  Chapter 10, Menu strip controls,
7  Chapter 10, What else is in ToolBox
8  Test
9  Chapter 7, Array Processing
10 Chapter 8, Advance collections
11 Chapter 11, Advanced Object-Oriented Programming
12 Chapter 13, Working with Files,
13 Chapter 14, Accessing Database Files
14 Chapter 15, Web Applications
15 Final Exam Period
II. COURSE GOALS:

The course will:
A. Use applications software, operating systems and/or system-based products. II,IV
B. Effectively use computer language, to produce code and output that meet specified requirements. II,III,IV,V
C. Use equipment and resources that are up-to-date and real-world and that represent current trends in the employment field. II
D. Upgrade and develop skills that can be measured by real-world training standards as established by national tests, state standards, institutional goals, and employers I,II,III
E. Express ideas and facts in written and verbal communications and work independently or as a team member. I, II, III

*Roman numerals after course objectives reference goals of the CSIT program (Career Program Goals and General Education Goals are listed [http://www.pstcc.edu/departments/curriculum_and_instruction/syllabi/](http://www.pstcc.edu/departments/curriculum_and_instruction/syllabi/))

III. EXPECTED STUDENT LEARNING OUTCOME:

Students will
1. Use terminology associated with the computer system and computer language compilers.(A,B)
2. Understand computer program design and the C# language development environment.(A,B,C)
3. Demonstrate knowledge of Object-Oriented design and implementation principles.(A,B)
4. Use C# tools to create a well-documented application based on client input or industry research.(A,B,C)
5. Use professionally accepted methods and materials in completion of applications. (A,B,C,D)
6. Practice elements of the work ethic such as punctuality, professionalism, dependability, cooperation, and contribution. (A,D,E)
7. Demonstrate the ability to work effectively both individually and as part of a group to produce programs that produce correct results as well as being attractive, readable, and modifiable.(A,B,C,D,E)

* Capital letters after Expected Student Learning Outcomes reference the course goals listed above

IV. EVALUATION:

A. Testing Procedures: At least 50% of grade
   A minimum of three major tests is recommended. Tests will cover material presented in class. Tests are not to be missed without a valid excuse.

B. Laboratory Expectations: Maximum 40% of grade
   Several lab assignments will be given and must be completed and handed in at the designated date and time. Student will receive grade of F if no lab is submitted.

C. Field Work: N/A
D. **Other Evaluation Methods:** 10% of a grade
   Students will work on a final project as a team. The team will design and code a program, and will present their findings to the class. The subject of the project must be approved by the instructor. Individual work is strongly discouraged.

E. **Grading Scale:**
   - 93 – 100  
   - 88 – 92  
   - 83 – 87  
   - 78 – 82  
   - 73 – 77  
   - 65 – 72  
   - Below 65

   A  
   B+  
   B  
   C+  
   C  
   D  
   F

V. **POLICIES:**

A. **Attendance Policy:**
   Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. For the complete policy, please refer to the Academic Information in the online college catalog at www.pstcc.edu/catalog.

B. **Academic Dishonesty:**
   Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:
   - Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.
   - Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
   - Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one’s own work.
   - Taking an exam for another student.
   - Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
   - Any of the above occurring within the Web or distance learning environment.

   Please see the Pellissippi State Policies and Procedures Manual, Policy 04:02:00 Academic/Classroom Conduct and Disciplinary Sanctions for the complete policy.

C. **Accommodations for Disabilities:**
   Students that need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Disability Services (DS) in order to receive accommodations in this course. Disability Services may be contacted by
sending email to disabilityservices@pstcc.edu, or by visiting Alexander 130. More information is available at http://www.pstcc.edu/sswd/.

D. Other:
Students are expected to promptly attend all lecture and lab classes as assigned. If a class is missed, student must make up all work and get notes and/or handouts.