PELLEISIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS

C# PROGRAMMING
CSIT 2220

Class Hours: 2.0
Credit Hours: 3.0
Laboratory Hours: 2.0
Revised: Fall 2015

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(s) and Other Course Materials:

C# Programming from Problem Analysis to Program Design

I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Chapter 1, 2, 9 Introduction to C#, C# User Interface Design, Data Conversions</td>
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<tr>
<td>2</td>
<td>Chapter 3, 9, Anatomy of Method, Windows Programming</td>
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<tr>
<td>3</td>
<td>Chapter 4, Creating Your Own Classes</td>
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<td>4</td>
<td>Chapter 5,6,10, Radio Buttons and Checkbox controls</td>
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<td>5</td>
<td>Chapter 10, Event Handling in C#, Using MessageBox</td>
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<tr>
<td>6</td>
<td>Chapter 10, Menu strip controls,</td>
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<td>7</td>
<td>Chapter 10, What else is in ToolBox</td>
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<tr>
<td>8</td>
<td>Test</td>
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<td>9</td>
<td>Chapter 7, Array Processing</td>
</tr>
<tr>
<td>10</td>
<td>Chapter 8, Advance collections</td>
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<tr>
<td>11</td>
<td>Chapter 11, Advanced Object-Oriented Programming</td>
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</tbody>
</table>
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.

III. Expected Student Learning Outcomes*:

Students will be able to:

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   A
88 – 92   B+
83 – 87   B
78 – 82   C+
73 – 77   C
65 – 72   D
Below 65   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. Individual departments/programs/disciplines, with the approval of the vice president of Academic Affairs, may have requirements that are more stringent. In very specific circumstances, an appeal of the policy may be addressed to the head of the department in which the course was taken. If further action is warranted, the appeal may be addressed to the vice president of Academic Affairs.

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 Policies:

Computer Usage Guidelines: College-owned or operated computing resources are provided for use by students of Pellissippi State. All students are responsible for the usage of Pellissippi State’s computing resources in an effective, efficient, ethical and lawful manner.

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.