Syllabus

Department: Computer Science & Information Systems  
Course Title: CSC 342 - Introduction to Programming in C#  
Credit Hours: 3

Instructor's Name: R. A. Pilgrim  
Office Location: Business Building 652  
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Catalog Description: A first course in programming in C#, with emphasis on object-oriented programming techniques. Topics include applications, control structures, methods, arrays, object-based and object oriented programming, strings, graphical user interfaces, exception handling, multithreading, and multimedia. Two hours lecture and two hours laboratory per week.

Purpose: To provide the student with the ability to design and implement object-oriented programs in a high-level language, and to make the student familiar with a professional-level integrated development environment for the development of multimedia, network aware windows (GUI) applications.

Student Learning Objectives: Upon completion of this course the student should,

- be proficient in C# programming syntax
- able to write programs that read and write data files including text streams
- be familiar with a professional-level integrated development environment
- understand the constructs of object-oriented programming
- have experience in the development of windows (GUI) program applications
- able to write programs that access other computers over a network

Course Outline:

- IDE - Integrated Development Environment
- Basics of C# Syntax
- Expressions and Operators
- Logic and Flow Control
- Functions
- Structured Variables & File Systems
- Debugging Methods & Error Handling
- Object-Oriented Programming
- Classes
- Collections
- Generics
- Basics of Windows Programming
- Menus & Toolbars
- Common Dialogs
• Graphics & Multimedia
• Multithreaded Applications
• XML - eXtensible Markup Language
• LINQ - Language INtegrated Query
• ADO.NET - ActiveX Data Objects.NET
• WPF - Windows Presentation Foundation

**Instructional Activities** - Instructional activities include, lectures, and student directed projects.

**Resources** - Web Page, online lectures, project/homework/reading assignments.

**Grading Procedures** - Course grades will be based on the content and quality of submitted laboratory exercises, homework, projects, test scores and class participation. Letter grades are assigned on a 10-point scale. Tests will be a combination of take-home and in-class elements. Final exam is optional and can count up to 50% of your grade if needed.

- Homework................................. 10%
- Laboratory Projects....................... 30%
- Class Participation ....................... 10%
- Tests/Quizzes.............................. 50%
- Final Exam .................................. 0-50%

**Attendance Policy** - The class role will be taken periodically. Students are expected to attend class regularly. Frequent absences could affect your homework/class participation grade. Late homework will not be graded for credit. Missed tests will be made up during the final exam.

**Text**: *Introduction to Visual C# 2010* – WROX Publishing Co.

**Prerequisites**: CSC 145 or consent of instructor.

**ACADEMIC HONESTY POLICY**:

Murray State University takes seriously its moral and educational obligation to maintain high standards of academic honesty and ethical behavior. Instructors are expected to evaluate students’ academic achievements accurately, as well as ascertain that work submitted by students is authentic and the result of their own efforts, and consistent with established academic standards. Students are obligated to respect and abide by the basic standards of personal and professional integrity.

Violations of Academic Honesty include:

- Cheating - Intentionally using or attempting to use unauthorized information such as books, notes, study aids, or other electronic, online, or digital devices in any academic exercise; as well as unauthorized communication of information by any means to or from others during any academic exercise.
Fabrication and Falsification - Intentional alteration or invention of any information or citation in an academic exercise. Falsification involves changing information whereas fabrication involves inventing or counterfeiting information.

Multiple Submissions - The submission of substantial portions of the same academic work, including oral reports, for credit more than once without authorization from the instructor.

Plagiarism - Intentionally or knowingly representing the words, ideas, creative work, or data of someone else as one’s own in any academic exercise, without due and proper acknowledgement. Disciplinary action may include, but is not limited to the following:

- Requiring the student(s) to repeat the exercise or do additional related exercise(s).
- Lowering the grade or failing the student(s) on the particular exercise(s) involved.
- Lowering the grade or failing the student(s) in the course.

If the disciplinary action results in the awarding of a grade of E in the course, the student(s) may not drop the course.

Faculty reserve the right to invalidate any exercise or other evaluative measures if substantial evidence exists that the integrity of the exercise has been compromised. Faculty also reserve the right to document in the course syllabi further academic honesty policy elements related to the individual disciplines.

A student may appeal the decision of the faculty member with the department chair in writing within five working days. Note: If, at any point in this process, the student alleges that actions have taken place that may be in violation of the Murray State University Non-Discrimination Statement, this process must be suspended and the matter be directed to the Office of Equal Opportunity. Any appeal will be forwarded to the appropriate university committee as determined by the Provost.

NON-DISCRIMINATION POLICY STATEMENT:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities. For more information, contact the Director of Equal Opportunity, 103 Wells Hall. 270-809-3155 (voice), 270-809-3361 (TDD).