**Fayetteville Technical Community College**

# SYLLABUS

**Spring 2020**

**Course:**

Course Title: Advance C# Programming

Prefix and Section Number: CSC-153.0001

Day(s) and Time(s): Monday & Wednesday 9 am – 10:50 am

Delivery Method: Face-to-Face with Online Components

Class Begins: January 13, 2020 Class Ends: May 13, 2020

**Class Hours:** 2 **Lab Hours:** 2 **Clinic Hours:** 0 **Credit Hours:** 3

**To Contact the Instructor:**

Instructor: William Buckwell

Office Location: ATC – 154B

Office Hours: Monday & Wednesday 3pm – 4pm

Phone: None

Email: buckwelw@faytechcc.edu

**Course Description:**

*This course introduces computer programming using the C# programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment at the beginning level.*

**Course Prerequisites:** CTI-110 or CIS-115

**Course Co-requisites:**

None

**Course Objectives:**

At the completion of this course, the student will have:

Learn and used Arrays and List.

Created and used “Void” and “Value-Return” Methods.

Used Classes to create objects with properties.

Extended class-based solutions with inheritance and polymorphism.

Read and write to different types of text files.

Designed and developed custom software projects.

**Required Textbook and Companion Homework Site:**

Information about the [FTCC Bookstore (opens in new window)](https://bookstore.faytechcc.edu/) [URL:

https://bookstore.faytechcc.edu/] is available on the FTCC college website. To make textbook purchases online, select “Textbook Lookup” on the FTCC Bookstore web page.

**Textbook:**

Essential C# 7.0 (Mark Michaelis) ISBN: 978-1-5093-0358-8

*You may purchase from the FTCC bookstore.*

*Additional readings outside the textbook will be provided through Blackboard.*

**Other Required Materials/Software:**

The recommended browsers are Mozilla Firefox, Google Chrome, and Safari in the most updated version.

Microsoft Office 365 (Office 2016) is available to currently enrolled students at FTCC. The Microsoft Office 2016 app is available for download on up to five (5) computers and/or mobile devices. Direct link to download Office 365: [https://login.microsoftonline.com (opens in new window).](https://login.microsoftonline.com/)

Username: FTCCWebadvisorLogin@ad.faytechcc.edu (example:

Smithj1234@ad.faytechcc.edu). Password: Active Directory (WebAdvisor) password (if you have not created an Active Directory password, you will need to do this first).

Blackboard Technical Support is available at any time, seven days a week by calling 1888-829-9660. Assistance on specific trouble-shooting topics are found at [Blackboard Help Online (opens in new window)](https://help.blackboard.com/Learn/Student) [URL: https://help.blackboard.com/Learn/Student].

Although there are no absolute requirements, computers with faster internet connections, faster processors, and more memory will get better results. Keep in mind that if you have difficulties connecting to the class or a slow connection, the problem could be occurring at many levels. For help, look at the “Technical Difficulties” document in “Student Support” under “Technical Requirements” or try the Help Forum on the course Discussion Board.

Visual Studio 2015 Community Edition (currently called “Visual Studio Community”). You may continue to use VS2012, but some later material may require VS2015.

A USB drive for storage.

**Grading Scale:**

FTCC grades are based on a 4.0 grading system. Each grade is assigned a “grade point equivalent” in quality points for each term credit hour scheduled. The grade point average (GPA) is determined by dividing the total of quality points earned by the number of term hours scheduled.

|  |  |  |
| --- | --- | --- |
| **Numerical Grade** | **Letter Grade Equivalent** | **Grade Point Equivalent** |
| 90 - 100 | A - Excellent | 4 grade points per credit hour |
| 80 - 89 | B - Good | 3 grade points per credit hour |
| 70 - 79 | C - Average | 2 grade points per credit hour |
| 60 - 69 | D - Below Average | 1 grade point per credit hour |
| 0 - 59 | F - Failure | 0 grade point |

The complete grading scale description may be found in the current FTCC Student Handbook under "Academic Information."

**Course Requirements/Methods of Evaluation:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Categories** |  |  | **Weight** |
| Assignments (10) |  |  | 40% |
| GitHub Portfolio (1) |  |  | 5% |
| GitHub Complete (1) |  |  | 5% |
| Tests (5) |  |  | 25% |
| Project (5) |  |  | 25% |
|  |  | Total | 100% |

**Make-up Policy:**

Late academic work submission procedures are as follows:

1. Academic assignments and projects are due by the scheduled/published dates.
2. In general, there is a 10 percent penalty for each business day that an assignment or project is late. Assignments may be submitted no more than one week late without prior approval from your instructor.
3. No late work will be accepted after the 90 percent date of the term without an incomplete grade approval from your instructor.
4. Certain course activities may not be eligible for late submission after the conclusion of the week, module, or unit. These include, but are not limited to, discussion boards, quizzes, and exams.
5. We know that extenuating circumstances can sometime interfere with timely submission of your work. Be sure to tell your instructor right away if you are going to be late with a submission.
6. Extenuating circumstances include, but are not limited to, personal/family member hospitalization, family member death, a severe weather event, a natural disaster, and an active military situation that prevents timely submission of work. Computer-related issues, internet connectivity, and account blocks are generally not considered extenuating circumstances.
7. You may request an extension or alternative arrangement, preferably prior to the due date, but your request does not automatically result in a waiver of the due date or of the penalties for late submissions. Your instructor may also require you to provide documentation of the reason. If your instructor determines that an extension is warranted, they will provide you with the expectations for your submission.

**Course Concerns/Grade Appeals:**

Students have the right to inquire about academic issues or other concerns related to the classroom environment. Inquiries should be directed to the following persons in the following order:

**Course Instructor:**

Name: William Buckwell

Phone: None

Email: buckwelw@faytechcc.edu

**Department Chair:**

Name: Anthony Cameron

Phone: 910-678-8571

Email: camerona@faytechcc.edu

**Dean:**

Name: Tenette Prevatte

Phone: 910-678-7353

Email: prevattt@faytechcc.edu

**Americans with Disabilities Act (ADA):**

FTCC facilitates the implementation of reasonable academic accommodations, including resources and services for students with disabilities, chronic medical conditions, a temporary disability, or other health related conditions resulting in difficulties with accessing learning opportunities. All accommodations are coordinated through the Disability Support Services Office located in the Tony Rand Student Center, Room 127, or call 910-678-8349 or 910-678-8559. Please contact the [Disability Support Services Office (opens in new window)](https://www.faytechcc.edu/campus-life/accessibility/) [URL: https://www.faytechcc.edu/campuslife/accessibility/] as early in the semester as possible.

**Title VI, VII, and IX Non-Discrimination Statement:**

FTCC does not practice or condone discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, disability, or political affiliation. FTCC commits itself to positive action to secure equal opportunity regardless of those characteristics.

FTCC supports the protection available to members of its community under all applicable federal laws, including Title VI and VII of the Civil Rights Act of 1964 and 1991, Title IX of the Educational Amendments of 1972, Sections 799A and 845 of the

Public Health Service Act, the Equal Pay and Age Discrimination Acts, the

Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and Executive

Order 11375. For more information, please visit the [Title IX and Equal Opportunity (opens in new window)](https://www.faytechcc.edu/title-ix-equal-opportunity/) [URL: https://www.faytechcc.edu/title-ix-equal-opportunity/] page on the FTCC website.

**Syllabus/Schedule Changes:**

This syllabus may be changed at the instructor’s discretion, with proper notification to students. Any changes will be promptly noted in Announcements and emailed to the student’s FTCC student email account.

**Outline of Instruction**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module** | **Topic** | **Activities and Assignments** | **Due Dates** |
| **Module One:** |  |  |  |
| **Module Two:** |  |  |  |
| **Module Three:** |  |  |  |
| **Module Four:** |  |  |  |
| **Module Five:** |  |  |  |
| **Module Six:** |  |  |  |
| **Module Seven:** |  |  |  |
| **Module Eight:** |  |  |  |

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