Course Title

ITSE 1430 - Introduction to C# Programming

Course Description

This class introduces the C# language including syntax and semantics, data types, control structures, functions, error handling and classes.

Recommended prerequisite: COSC 1436.

Objectives

The student will develop a structured approach to solving problems using C#. The student will get practical experience buildings different types of applications in C# including Windows Forms and ASP.NET. Additionally, the student will get basic experience working with databases and files.

Instruction

At the completion of the course, the student will:

1. Design and develop C# programs using structured programming techniques.
2. Have working experience using Windows Forms to create applications.
3. Have working experience using ASP.NET to create applications.
4. Be able to use ADO.NET to work with databases in an application.
5. Be able to use LINQ to work with structured data in an application.

Presentation Methods

The instructional methods used will include reading; demonstrations; and laboratory assignments.

EVALUATION

Grading formula:

5 Labs = 60%

4 Quizzes = 25%

Final = 15%

Using the percentages from above, the final letter grade will be determined as follows:

A: 90 – 100 B: 80 – 89 C: 70 – 79 D: 60 – 69 F: 0 – 59

* Students are expected to work on lab assignments outside of class. When possible time in class will be made available to get assistance and work on labs. Labs provide hands-on experience with programming. Help is available through standard means as needed.
* All labs must be completed using Visual Studio. Students may either use their home computers or the lab computers as needed.
* Assignments are due at the beginning of class on their due date. Any special circumstances should be brought to the instructor’s attention prior to the beginning of class when the assignment is due. Late assignments receive a 10-point deduction for each week thereafter. The cut-off date for all assignments and makeup work is the weekend before final exams.
* NO exceptions will be made for missed assignments because of the inability to install software, computer issues, corrupted files or incorrect submissions. All students have access to the computer lab if they cannot use a home computer.
* Students are expected to do their own work. Any form of cheating will result in a grade of zero (0) for all those involved; disciplinary action by the College is also possible. Refer to the section on Original Work for more information.

Required Resources

Microsoft Visual Studio 2019

The free Community Edition is available from Microsoft.

Special Instructions

* Each student will need a Github account (<https://github.com>) to store their work. Submissions will occur and be graded via Github. This will be set up the first week of class and does not need to be done in advance.

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* Help is available during lab and office hours. After class help will be provided only if scheduled in advance.
* Mobile devices such as cell phones, tablets and notebooks should be silenced while in class. Devices may be used to take notes or view information related to the current class discussion. Any devices that disrupt class or interfere with our students’ ability to learn in class should be turned off or left outside class. If any such device is found during class, then the student will be required to remove it from class.

Due to the current pandemic the following special instructions

* Students will not be administratively dropped for lack of attendance.
* **It is the responsibility of the student to drop this course.  Failure to drop before the deadline will result in the grade earned.**
* Attendance in the online sessions is strongly recommended. Failure to attend class (or listen to recordings when necessary) will likely result in the inability to properly complete assignments.
* No exceptions will be made when grading assignments based upon failure to attend or listen to lecture. Students are expected to meet all requirements of assignments including coding and styling rules.
* Students should attend class in an appropriately isolated location that reduces any distractions from learning. This includes distractions from work or family. Online courses are handled identical to how they would be in a classroom environment.
* Sessions are interactive. If a student is unresponsive for an extended period of time during a session, they may be dropped from the session. This can impact attendance.
* It is strongly encouraged that students have the necessary hardware to communicate using audio during the session. This can be done using a computer's built-in microphone/speakers, a dedicated headset or another option that works with TCCD's online system.
* Exams will be online, and students will be given a week (Monday to Friday) to complete them. Exams are timed and must be completed in a single session, but students may take exams any time during the week that is scheduled.

Original Work Policy

All lab assignments are expected to be a student’s original work. For purposes of this course original work is defined as: code that is written by the student using the student’s own knowledge and understanding.

Students are encouraged to collaborate with other students and use online resources to find solutions, but all submitted work must be written and understood by the student. The copying of code from online resources or other students and using as a student’s own is not considered to be original work.

For any assignment, the student may be called upon to explain the code that is written, discuss the rationale for writing of the code and/or possibly rewrite the algorithm without help from the code.

Preferred Name

Any student who would like to be addressed by a preferred name can go to the registrar's office and complete a Record Maintenance Form. The registrar staff will update the appropriate field so that the preferred name will be listed on the classroom rosters.

Title IX

I am designated as a *Responsible Employee* when it comes to reporting Sexual Misconduct. That means I am required by law to report sexual harassment, sexual assault, dating and domestic violence, and stalking against a student or employee to the Title IX Coordinator. TCCD cares about the safety of our employees and students and has created this requirement because interpersonal violence in all forms is unacceptable, and we’re committed to holding perpetrators accountable and keeping reporting parties safe. Your privacy is of utmost importance and we will strive to protect your privacy to the extent possible while complying with all applicable federal, state, and local laws and regulations as well as TCCD policy.

Consultation, Assessment, Resources, and Education (CARE) Team

Each TCC campus has a CARE Team, a dedicated group of faculty and staff who provide consultation and support for students in distress. This team is made up of a cross section of the campus community including Academic Affairs, Advising and Counseling, Student Accessibility and Resources (SAR), Campus Police, Student Conduct and Title IX, and Student Life.

If you desire that details of the incident be kept confidential, you should speak with on-campus counselors or off-campus rape crisis resources, who will maintain confidentiality. Campus counselors are available to help you free of charge.

If you are not sure about whether to report any situation, or are hesitant to initiate a report yourself, please contact any TCC faculty or staff for help. I will always be available for you in such a situation.

Instructor Information

Michael Taylor

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Office Hours: Mondays 7:00 – 7:30 PM

Office Location: Blackboard Collaborate session