SYLLABUS
CMPS 4143: Contemporary Programming Languages

Catalog Description: A study of syntax, semantics, and implementation of a contemporary programming language with emphasis on program development, program structuring, and the program development environment of the language. Assignments focus on representative applications of the language.

Instructor:	Dr. Catherine Stringfellow
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OfficeHours:	M-F 11-noon, TR 2-3pm & by Appt / Zoom Office by Appt

Credits: 3 (3 hour lecture)
Course Prerequisite: CMPS 2143: Object Oriented Programming

Required Textbook and Materials:
- Visual C# How to Program, 6th edition, Deitel & Deitel, ISBN-12:978-0-13-460154-0
- Supplemental Material will be available in D2L.
- Visual Studio Community Edition Software with C#
- 2 USB flash drives

General Objectives:
- Introduce students to a contemporary programming language and integrated development environment
- to introduce advanced concepts in object-oriented programming languages
- to introduce the concepts associated with implementing Internet- and Web-based applications that seamlessly integrate with PC-based applications

Specific Objectives: Upon completion of the course students should be able to:
- Learn the syntax and structure of C# using the .NET IDE
- Understand concepts of typing, scope, data types, inheritance, polymorphism, exception handling, etc., and how they are realized in C#
- Apply graphical user interface concepts
- Build applications that interact with databases
- Build interactive Web documents that respond to client requests.

Instructional Method: Primarily lecture. Students and instructor will share their experience of coding programs in C# .NET. The instructor may group students in pairs for the different programming assignments. Class participation is highly recommended.

Course Assignments and Evaluation: Students will be required to write five moderately complex programs in C# using the Visual Studio 2022.NET platform. Good documentation will also be expected! There will also be a few very small programming assignments. A few homework assignments and a final paper on contemporary issues in programming languages will also be required. Final grades will be based on the following criteria.

Activity	Percentage of grade
Homework, Quizzes & small programs	10%
Programming assignments (5)	45%
Exams (2)	30%
Final/Final Paper	15%

Grades may be determined according to this scale (approximate):

A	90% - 100%		B	80% - 89%
C	70% - 79%		D	60% - 69%

Course and Department Policies

Attendance Policy:
Although student attendance is not calculated into the grade, attendance will be taken each day to track students. If a student is absent more than 2 classes without an excuse and is not performing well in class, a report will be submitted to the Dean of Students and the student may be dropped from the class. Classes will not be streamed for absent students, whether it is excused or not.

Behavior in the classroom: Students are to assist in maintaining a classroom environment that is conducive to learning. This means that the presence of electronic devices other than your calculator are not to be seen, heard, or implied, ever. Questions are encouraged and discussion is acceptable, provided it is pertinent and does not distract from the lesson.

Late Work: Policy for Programming Assignments and grading will be posted on D2L. No late programs for last programming assignment.

Make Up Work/Exams/Quizzes: Students need a valid university excuse (e.g., excuse from the doctor, death in the immediate family, etc.) to make up work or tests.
• For planned excused absences: Exam/Quiz may be taken early by prior arrangement.
• For unplanned excused absences: Student must make up a missed exam within 4 working days. All other missed exams will receive a zero.

Computer Requirements: Taking this class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have (or have access to) a working computer in this class. Personal computer technical difficulties will not be considered a reason for extra time to submit assignments, tests, or online discussion postings. Online class material can be accessed from any computer in the world which is connected to the internet. Computers are available on campus in various areas of the buildings, as well as the Academic Success Center. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The university cannot work directly on student computers due to both

liability and resource limitations, however they are able to help you get connected to our online services. For help, log into D2L.

Computer Science Tutoring: Tutoring is available in the *Office of Tutoring and Academic Support Programs (TASP)* in Moffett Library. A tutor may assist with programs and homework for computer science classes. The tutor will not do your work. *NOTE 1*: Any tutor who is also in this class, may not assist with programs and homework. You must seek out a different tutor. *NOTE 2*: I doubt any of the tutors will be able to help you.

Policy on Testing Process:
The Department of Computer Science has adopted the following policy related to testing.
- All bags, purses, electronics (turned off), books, etc. will be placed in the front of the room during exams, or in an area designated by the instructor.
- Unless otherwise announced by the instructor, nothing is allowed on the desk but pen/pencil/eraser and test papers.
- A student who leaves the room during an exam must turn in the test and will not be allowed to return.

Policy on Programs
Tests will have questions covering out-of-class assignments. Know the material!
Students will be invited to orally answer questions regarding their assignments in my office and failure to answer those questions correctly will result in deductions from their grades. (Every student can expect to be invited 1-2 times during the semester to answer questions.)

Academic Misconduct Policy & Procedures: Academic misconduct is cheating, collusion, and plagiarism: it is the act of using either published or unpublished source material of other students, persons, or generative AI (unless there are instructions that allow it), and must follow accepted techniques of crediting. The Department of Computer Science has adopted the following policy related to academic misconduct. The policy will be applied to all submission of work for credit as determined by the instructor of the course, e.g., assignments, quizzes and exams. (See below for link to MSU definitions.)
- *1st instance* of cheating in the program: The student will be assigned a non-replaceable grade of zero for the assignment, project or exam. If the final grade in the course, does not result in a one letter grade reduction, the student will receive a one letter grade reduction in course.
- *Further instances* of cheating in any course within the program: The student will receive a grade of F in the course & be removed from the course.
- All instances of cheating will be reported to the Department Chair, the MCOSME Dean, the Dean of Graduate Students, if a graduate student, and the Office of Rights and Responsibilities, who may decide at their own discretion to impose a stiffer sanction based on knowledge of other instances of cheating at MSU Texas.

Note: Letting a student look at your work is collusion and is academic misconduct!
See Also: MSU Student Handbook: Appendix E: Academic Misconduct Policy & Procedures
https://msutexas.edu/student-life/_assets/files/handbook.pdf.

University Policies and Procedures

Student with Disabilities: Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible. Students should present appropriate verification from Disability Support Office during the instructor's office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification has been provided. For additional information, contact the Disability Support Office in Clark Student Center 168 - Phone: (940) 397-4140

Policy on Concealed Handguns on Campus:
Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry *concealed* handguns on campus, effective August 1, 2016. Please note, open carry of handguns, whether licensed or not, and the carrying of all other firearms, whether open or concealed, are prohibited on campus. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at MSU Campus Carry Policy *https://msutexas.edu/campus-carry/rules-policies*. If you have questions or concerns, please contact MSU Chief of Police Steven Callarman at Steven.callarman@msutexas.edu.

Recording of Class Lectures:
Permission must be requested in writing and obtained from the instructor before recording of class lectures. If permission is granted, the recording may only be used by the student making the recording. Recordings (or any class materials) may NOT be posted on any internet source without written permission of the instructor. Failure to adhere to the policy may result in removal from the course with a grade of F or other appropriate punishment.

Midterm Progress Report
In order to help students, keep track of their progress toward course objectives, the instructor for this class will provide a Midterm Progress Report for all students in the course through each student's MSU portal. Midterm grades will not be reported on the students' transcript; nor will they be calculated in the cumulative GPA. They simply give students an idea of where they stand at the midpoint of the semester. Students earning below a C at the midway point should a) schedule a meeting with the professor and b) Seek out tutoring.

Important Dates:
Visit MSU's Registrars website Important Dates
https://mwsu.edu/registrar/_assets/files/pdfs/Fall24Front.pdf.