DMACC
DES MOINES AREA COMMUNITY COLLEGE
Life's Calling™

COURSE SYLLABUS

CAMPUS NAME: Urban

COURSE TITLE: C#

COURSE NUMBER: CIS 169

SECTION NUMBER & CRN: WW1 & 13424

INSTRUCTOR INFORMATION

NAME: Dr. Michelle E Ruse

EMAIL ADDRESS: meruse@dmacc.edu

PHONE NUMBER: 515-248-7500

OFFICE LOCATION:

- Online Zoom: https://DMACC.zoom.us/j/97996471985
- Urban Campus Building 1, 226
- Ankeny Campus Building 8, 1C

OFFICE HOURS/APPOINTMENTS:

- Monday 1:00pm – 3:00pm & 5:30pm – 6:30pm via Zoom
- Tuesday by appointment
- Wednesday by appointment
- Thursday 9:00am – 11:00am via Zoom
- Friday by appointment
- By appointment: please email me to set up a virtual or in-person appointment

INSTRUCTOR INTRODUCTION: Please see information about me by visiting the "Your Instructor" section in Blackboard.

BLACKBOARD: https://dmacc.blackboard.com/

COURSE INFORMATION

PANDEMIC SPECIAL INFORMATION: DMACC has implemented safety efforts to keep students safe; however, due to the extreme contagious nature of the COVID-19 virus, it should NOT be assumed that all risk will be eliminated. DMACC recommends that you continue to follow DMACC and state/local health recommendations around COVID-19. For more information visit: https://tinyurl.com/DMACCStudentPlaybook

SEMESTER/YEAR: Fall 2022 202301

DATE SYLLABUS CREATED AND/OR REVISED: 08/16/2022

DAYS & TIME & LOCATION: ONLINE

COURSE DESCRIPTION & CREDITS:
https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx This course is an introduction to the C# language. Object-oriented programs will be developed by student

PREREQUISITES: Prerequisite or Corequisite: CIS 125 Intro to Programming Logic

COURSE COMPETENCIES: https://www.dmacc.edu/competencies

COURSE OVERVIEW: Students will learn the basic features of the C# programming language and explore the concepts of object-oriented programming, unit testing, and web application programming. Gain practical experience creating and modifying C# Console Applications and Web Forms.

DMACC COLLEGE WIDE OUTCOMES:
https://www.dmacc.edu/oie/Documents/DMACC%20Collegewide%20Outcomes.pdf

STUDY EXPECTATIONS/TIPS: To do well in this class, you must do your homework regularly (see schedule and dateline on the last pages). Study the assigned readings, which will help you follow the content of the lecture. Ask questions. This is a fast paced, hands-on course. It is realistic to expect to spend at 8-10 hours per week studying for this class. The content of this course builds on itself throughout the semester. Consequently, it is important that students master early concepts, as they will become building blocks for concepts introduced later in the course. Students should seek extra help (tutoring, attend office hours, etc.) as soon as possible if they feel that they are getting behind on the course material.

TEXTBOOKS & MATERIALS

REQUIRED TEXTBOOKS & ISBN: None required

TECHNOLOGY NEEDS: Internet Access for class and outside of class, access to a computer or laptop with Software Applications listed below installed (either Mac or at least Windows 10).

REQUIRED MATERIALS: Online resources will be utilized

SOFTWARE APPLICATIONS:

- Zoom for Office Hours or appointments.
- IDE: Visual Studio Community 2019 (must be 2019)

Software notice: "All the software used in this class is copyrighted; therefore, it is not for distribution, copying, or personal use. This software is the property of Des Moines Area Community College."

COURSE POLICIES

ATTENDANCE/PARTICIPATION:

- Be active and present in the course – participating in discussions and projects in Blackboard.
- Dedicate sufficient time for readings, exercises, and other learning experiences.
- Log into the course minimally three times per week in Blackboard.

- Ask questions of material that you don't understand and answer questions for material that you do understand.
- Participate in all discussion boards and blogs, even though a response will not be required.
- Submit assignments and complete exams/tests before they are due to give yourself adequate time should a problem arise.
- Have access to a dependable computer and Internet connection.
- Have a back-up plan in case the computer or connection fails.
- Have an available computer (and backup computer) with the Software Application listed above installed and ready for use.
- Communicate with the instructor regarding any issues with course materials, grades, or technical issues.
- Use your DMACC email address to communicate with the instructor.
- Call or email the DMACC Helpdesk with any technical issues (post this number/email address on your computer & program it into your phone).
- Put forth your best effort for your learning.

GRADING CRITERIA: Grades are based on the percentage of points possible accumulated throughout the course. Points will be awarded for quizzes, assignments, projects and participation. We will have approximately 820+/- points in the course. Each course is a little different as I will add or remove assignments based on the course understanding for each course. For example, if a particular course is struggling with if statements, I will add another assignment on if statements to test understanding after adding new instructional material. However, if a course scored particularly well on interfaces, I might remove an assignment. You can see the course points in your 'My Grades' in Blackboard The 800+/- points are all earned by completing assignments. Most assignments are worth between 5-20 points. Higher points assignments include the final project (100 points).

A = 93-100%	B+ = 87-89%	C+ = 77-79%	D+ = 67-69%
A-= 90-92%	B = 83-86%	C = 73- 76%	D = 63-66%
	B- = 80-82%	C- = 70-72%	D- = 60-62%
			F = 0-59%

Providing you with feedback in my top priority. You can expect the following turn-around time:

- Assignment activities – 5 days after the due date
- Final project – within 5 days of the due date
- Late work/revisions – within 10 days from when you submitted the work to me

I will use the announcement section in Blackboard and email to communicate changes in the schedule or when grades for a unit/assignment are posted. Please note that the final grades in My Grades will not be 100% official until I post an announcement indicating they are official. If you have questions or see a discrepancy throughout the term, please email me ASAP so I can investigate it.

CLASSROOM CONDUCT: https://www.dmacc.edu/handbook
The above link includes DMACC Student Handbook Web link. Show consideration for your classmates and instructor through these courtesies: (1) review assigned readings, (2) participate actively and respectfully in class activities and discussion boards, (3) Follow Netiquette for online interactions. Netiquette is a set of standards for appropriate behavior when communicating with others online. Basic netiquette guidelines include:

- Be respectful of other people and their opinions
- Write clearly and pick your words carefully, avoiding humor and sarcasm.
- Visual cues used to convey meaning when speaking to others in a face-to-face environment are missing in online communications, so be sure to convey your thoughts carefully.
- Posts based upon race, religion, color, national origin, age, sex, sexual orientation, gender identity or expression, genetic information, or disability, out of the context of the discussion, generally are inappropriate.
- Do not post or distribute material that would offend or frighten a reasonable person.
- Inflammatory, condescending, harassing, or derogatory remarks are inappropriate.
- Use proper spelling, grammar, capitalization, and punctuation.
- Using all capital letters in online communications is considered SHOUTING, and inappropriate.
- Do not use emoticons, (eg smiley faces) and chat acronyms (E.G. LOL, BRB) because they could be misinterpreted and are not appropriate in professional communication.
- When posting to a public forum, keep your post on topic and be sure to add content that contributes to the topic.

Be aware of plagiarism and copyright guidelines. Cite your sources and refrain from posting or distributing content that is copyright protected.

MISSED EXAMS: No makeup exams, quizzes or projects will be given, except in cases of extreme circumstances to be determined by the instructor. A zero score will be awarded for missed exams, quizzes or projects. If an exam or quiz has a time limit, students who exceed the time limit will have one point deducted from their score for each minute beyond the time limit.

REVISIONS OF ASSIGNMENT: It is my belief that you learn how to code by coding. And you will make mistakes. I do not feel you should be penalized by learning the course material. It is because of this belief; I allow you to revise assignments for an opportunity to earn full credit ONLY if you submit your first by the due date and with evidence of attempt (empty files and files with minimal work are not eligible for this revision). Your revision must be complete within one week of the original due date.

LATE ASSIGNMENTS: Each assignment will have a due date. After the due date, 50 percent will be deducted for each late assignment with a 1- or 2-day grace period given when an email is sent prior to the due date and time. There is no credit after assignment is 7 days late, and no credit on any assignments after the last assignment (final project) at the end of the term. Late assignments must be submitted via the appropriate location in Blackboard. If the assignment is not available, late work is no longer being accepted for it. It is the responsibility of the student to retrieve assignments from Blackboard before the weekly due date and to submit assignments using the correct links. No assignments may be submitted via email. No late work will be accepted for the final week of class. Each assignment will have a due date. After the due date, 50 percent will be deducted for each late assignment. There is no credit after assignment is 7 days late, and no credit on any assignments after the last assignment (final project) at the end of the term. Late assignments must be submitted via the appropriate location in Blackboard. If the assignment is not available, late work is no longer being accepted for it. It is the responsibility of the student to retrieve assignments from Blackboard before the weekly due date and to submit assignments using

the correct links. No assignments may be submitted via email. No late work will be accepted for the final week of class.

EXTRA CREDIT: No extra credit for late assignments. Extra credit awarded at the discretion of the instructor. Attending office hours in the first 2 weeks of class earns extra credit.

DROPS FOR NON-ATTENDANCE: DMACC requires that I report all students who have not attended/participated in our course during the first week. In order to not be dropped for non-attendance, you must complete the following activities in our course by Wednesday August 31, 2022 at 11:59PM:

- Log into Blackboard
- Earn at least 15 points in the Blackboard course work

QUIT-ATTENDING AND PROGRESS GRADES: DMACC requires that I report grades for all students at the midpoint in the semester. It is my policy to drop a student for quit attending if they meet any of the following criteria:

- An overall percentage lower than 40% in the course
- No homework has been submitted for two weeks
- Missing class for more than two weeks

CLASS CANCELLATION PROCEDURE: (It is the responsibility of each faculty member to notify their students (in addition to their dean or provost) through some predetermined means if they must postpone or cancel a specific class.) You will be notified via email and Blackboard announcement if class is canceled. Should the college close, you will be notified by the college.

ACADEMIC MISCONDUCT AND PLAGIARISM: DMACC's Academic Misconduct Policy (ES4670) prohibits plagiarism; falsification; unauthorized collaboration during an exam, project, or assignment; or the misrepresentation of identity by a student or individual to complete an exam, course, or project. Plagiarism is defined as presenting someone else's work or ideas as your own by including it into your work without citing the original author's work. Academic Misconduct may be intentional or unintentional in nature. Academic Misconduct may result in sanctions for the student. Sanctions are issued based on the severity and nature of the misconduct. It is the student's responsibility to become familiar with and follow DMACC's Academic Misconduct procedure at this link: https://dmacc.link/ES4670 (1) Sanctions may apply for Academic Misconduct. (2) Sanctions will be based on the severity and nature of the misconduct. (3) Possible sanctions include asking for a student to redo the assignment, a reduction of points, a percentage off the assignment or exam, or a failing grade for the assignment or exam on the first incident of Academic Misconduct. (4) Possible sanction for second incident of Academic Misconduct includes a failing course grade. (5) Any imposed sanctions will be reported to the DMACC Judicial Office via the DMACC online Academic Misconduct report.

SUPPORT SERVICES/ACCOMMODATIONS

SERVICES FOR STUDENTS WITH DISABILITIES: https://www.dmacc.edu/disabilities
Any student with a documented disability who requires reasonable accommodation should contact the Disability Services Coordinator at **515-964-6850** or the counseling & advising office on any campus to apply for services.

COURSE SYLLABUS

DISCLAIMER: "This syllabus is representative of materials that will be covered in this class; it is not a contract between the student and the institution. It is subject to change without notice. Important: **All students are strongly encouraged to visit MyDMACC portal to review policies and procedures.** Any potential exceptions to stated policies and requirements will be addressed on an individual basis and only for reasons that meet specific requirements. If you have any problems related to this class, please feel free to discuss them with me."

NONDISCRIMINATION STATEMENT

Des Moines Area Community College shall not engage in nor allow discrimination covered by law against any person, group or organization. This includes in its programs, activities, employment practices, or hiring practices, and harassment or discrimination based on race, color, national origin, creed, religion, sex, sexual orientation, gender identity, age, disability, genetic information (in employment) and actual or potential parental, family or marital status. Veteran status in educational programs, activities, employment practices, or admission procedures is also included to the extent covered by law.

Individuals who believe they have been discriminated against may file a complaint through the College Discrimination Complaint Procedure. Complaint forms may be obtained from the Campus Provost's office, the Academic Deans' office, the Judicial Officer, or the EEO/AA Officer, Human Resources. ADA questions and concerns may be directed to the Section 504/ADA Coordinator at 2006 S. Ankeny Blvd, Bldg. 6, Ankeny, IA 50023, phone 515/964-6857, dso@dmacc.edu. Title IX questions and concerns may be directed to the Title IX Coordinator at 2006 S. Ankeny Blvd, Bldg. 1, Ankeny, IA 50023, phone 515/964-6216, Title9@dmacc.edu. Questions or complaints about this policy may be directed to the Director of the Office for Civil Rights, U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661-7204, phone 312/730-1560, fax 312/730-1576, email OCR.Chicago@ed.gov.

FURTHER PROCEDURE INFORMATION:
Students who wish additional information or assistance may refer to Student Services procedure ES 4645 located at https://dmacc.link/ES4645

ADA/SECTION 504 INFORMATION:
The Academic Support Services Director is the official Student Accommodation Officer/Section 504/ADA Coordinator for DMACC. The ADA Coordinator's office is located in Bldg. 6-10E on the Ankeny Campus and may be contacted by voice (515-964-6857). The ADA Coordinator is responsible for ensuring that the college complies with federal regulations that guarantee qualified students with disabilities equal access to all programs and services. Any student, faculty, or staff member may contact the ADA Coordinator's office for clarification of federal regulations, appeal of a grievance, or resolution of a disability-related problem.

ADDITIONAL INFORMATION

DMACC supports student success through our Early Alert System. Early Alert connects students to available resources such as advising, counseling, tutoring and more. Faculty members may refer students to these supports in cases in which a student is showing difficulty in attendance, course work, and/or reported situations in which more support could aide in college success. Students are encouraged to respond to all DMACC phone calls or emails and take full advantage of available resources to support a positive college experience. More information may be found at https://earlyalert.dmacc.edu.

To access additional information related to DMACC policies and procedures that impact the classroom (e.g. use of technology, weather-related cancellations, classroom conduct, etc.) please reference the DMACC student portal.

If you do not have access to a computer and need a printed version of any of the information described above, contact your instructor.

COURSE SCHEDULE

Week	Topic	Due Date	Late Work/Revision Due Date
Week 1 Module 0	✓ Introduction to programming ✓ Meet others in the class ✓ Install Visual Studio Software ✓ Create a simple program showing environment setup	Tues Aug 30, 2022 at 11:59PM CST	Tues Sept 13, 2022 at 11:59PM
Week 1 Module 1	✓ Data types ✓ Variables and constants ✓ Arithmetic operations ✓ Errors ✓ Write, compile and run your first program ✓ Discuss components of a good program and best practices	Wed Aug 31, 2022 at 11:59PM CST	Wed Sept 14, 2022 at 11:59PM CST
September 5, 2022 Holiday - College Closed			
Week 2 Module 2	✓ Read user input ✓ Process strings ✓ Format output data ✓ Handle Exceptions with try..catch ✓ Debug errors ✓ Write a program to input, store, process and output data	Wed Sept 07, 2022 at 11:59PM CST	Wed Sept 21, 2022 at 11:59PM CST
Week 3 Module 3	✓ Create methods without return types ✓ Pass parameters to methods by reference and by value ✓ Create methods with return types ✓ Overload methods ✓ Test methods using Unit Testing	Wed Sept 14, 2022 at 11:59PM CST	Wed Sept 28, 2022 at 11:59PM CST
Week 4 Module 4	✓ Process data using decision structures: if, if-else & switch ✓ Learn logical operators ✓ Compare strings ✓ Handle exceptions with TryParse ✓ Perform input validation	Wed Sept 21, 2022 at 11:59PM CST	Wed Oct 05, 2022 at 11:59PM CST
Week 5 Module 5	✓ Use while loop ✓ Use for loop ✓ Use do loop ✓ Learn jump statements ✓ Write a program with loops and input validation	Wed Sept 28, 2022 at 11:59PM CST	Wed Oct 12, 2022 at 11:59PM CST
Week 6 Module 6	✓ Declare and initialize arrays ✓ Process data in arrays using common array algorithms ✓ Process data in two-dimensional and jagged arrays ✓ Use List Collection ✓ Use foreach loop ✓ Write a program using arrays	Wed Oct 05, 2022 at 11:59PM CST	Wed Oct 19, 2022 at 11:59PM CST

Week	Topic	Due Date	Late Work/Revision Due Date
Week 7 Module 7	✓ Store data in a file ✓ Define and utilize structures ✓ Define and utilize enumerated types ✓ Generate random number ✓ Write a program with that reads from/writes to a file	Wed Oct 12, 2022 at 11:59PM CST	Wed Oct 26, 2022 at 11:59PM CST
Week 8 Module 8	✓ OOP (Object-Oriented Programming) Principles ✓ Encapsulation: define and utilize classes ✓ Declare and utilize objects ✓ Design a program using encapsulation	Wed Oct 19, 2022 at 11:59PM CST	Wed Nov 02, 2022 at 11:59PM CST
Oct 21, 2022 In-Service - College Closed			
Week 9 Module 9	✓ Learn more OOP ✓ Apply inheritance: write and utilize base derived classes ✓ Apply polymorphism: overload and override methods ✓ Write a program using inheritance and polymorphism	Wed Oct 26, 2022 at 11:59PM CST	Wed Nov 09, 2022 at 11:59PM CST
Week 10 Module 10	✓ Learn more OOP ✓ Apply abstraction: define and utilize an abstract class ✓ Utilize an interface ✓ Basic overview HTML and CSS	Wed Nov 02, 2022 at 11:59PM CST	Wed Nov 16, 2022 at 11:59PM CST
Week 11 Module 11	✓ Learn MVC (Model, View, Controller) ✓ Write your first Web Application	Wed Nov 09, 2022 at 11:59PM CST	Tues Nov 22, 2022 at 11:59PM CST
Week 12 Module 12	✓ Web App Testing ✓ Web App Input Validation	Wed Nov 16, 2022 at 11:59PM CST	Wed Nov 30, 2022 at 11:59PM CST
Week 13 Module 13	✓ Learn about databases ✓ Create a database ✓ Connect to and query a database ✓ Write a Web App that connects to a database	Tues Nov 22, 2022 at 11:59PM CST	Tues Dec 07, 2022 at 11:59PM CST
November 23, 2022 Student Fall Break (No Classes/Office Open) November 24 – 25, 2022 Holiday - College Closed			
Week 14 Module 14	✓ Test-Driven Development (TDD) ✓ Unit Test Web Applications	Fri Dec 02, 2022 at 11:59PM CST	Not accepted late
Week 15 Module Final Project	✓ Final Project	Fri Dec 09, 2022 at 11:59PM CST	Not accepted late