

**Midwestern State University  
Department of Computer Science  
Fall 2019**

**COURSE INFORMATION**

Course name: Computer Science I (with C++).  
Course number: CMPS 1044.  
Class hours: 8:00 am to 8:50 am, Monday, Wednesday and Fridays.  
Class room: Bolin 320.

**INSTRUCTOR INFORMATION**

Instructor's Name: Doctor Eduardo Colmenares.  
Instructor's office: Bolin Hall, office 126C.  
Instructor's email: [eduardo.colmenares@msutexas.edu](mailto:eduardo.colmenares@msutexas.edu)

**OFFICE HOURS**

Monday 9:00 – 10:00 am  
Tuesday 1:00 – 2:00 pm  
Wednesday 9:00 – 11:00 am  
Thursday 10:00 – 11:00 am  
Friday No Office Hours

**WEBSITE**

All assignments and other documents will be posted on D2L.

**TEXTBOOK**

Starting out with C++, Early objects, 9th edition, by Gaddis, Walters, & Muganda (You CAN use 6th, 7th or 8th edition but page numbers for assignments will be different.)

**SOFTWARE**

Microsoft Visual Studio Community (Most recent version) – Available in all MSU labs.

**COURSE MATERIAL**

Text Chapters 1-6, 8 (some sections will be omitted), Plagiarism

**PREREQUISITE**

Credit or concurrent enrollment in MATH 1233, 1543, or 1203

**GRADING**

Assignments	Percentage
Major Exams - 3	45%
Final Exam - 1	20%
Programs - 5 to 8	20%
Daily grade – Homework, quizzes, lab	15%

Grades will be posted on D2L for students to view. Exam & Program Grades will be posted after each is complete. Daily grade will be updated on D2L at least once a month. D2L will be set up to display the "average so far."

## ADDITIONAL GRADE POLICY

Once the grades, have been either returned to the students, or published via D2L, the student will have one week to examine them, and check for inconsistencies, errors, etc. After the one week window of opportunity all grades will become PERMANENT and WILL NOT change. It is not only the student's responsibility to check the accuracy of his/her grades, but also in his/her best interest to do it. This rule DOES NOT apply to the final exam because the final is exam triple checked by the instructor before publishing the grade.

## EXAM DATES

The *tentative* dates for exams are weeks of Sep 25, October 23, Nov 27. The final exam date is Wednesday December 11, 2019, from 8:00 am to 10:00 am, in our classroom.

## GENERAL COMMENTS

This is a first course in computer science for all CS majors, minors, and students who will take additional courses in computing. The purpose of this course is to introduce the computer as a tool in solving problems. However, the teaching of programming is secondary to the skills and the methodologies that are to be treated in this course.

## ATTENDANCE

Attending class is one of the primary keys to doing well in this class. Students with excessive absences will be reported to the dean of students and may receive a grade of F in the class. There is no distinction made between excused and unexcused. Make-up exams will be given only if the student has a reasonable excuse and if the instructor is contacted within 24 hours of the exam and arrangements are made for the make-up prior to the next class meeting. Students are expected to be in the classroom when class begins and to stay the entire period. If you must leave during class, you will not be allowed to return to class that day. *Habitually arriving for class late or leaving class & returning disrupts the class and will not be allowed.*

## LAB ATTENDANCE

A two-hour weekly lab is held in Bolin 103. Each student is required to attend one of the scheduled sessions each week. The lab consists of hands-on exercises to reinforce the material being covered in the lecture portion of the class. Attendance and completion of the assignment is required and is part of the course grade. The lab assignments must be turned in to the lab assistant at the end of class, but is due by the first lab meeting of the following week. Students need attend ONLY ONE of the scheduled sessions each week, though you are allowed to attend more than once. Labs begin week 2 of classes, January 22 A complete schedule and handouts are posted on D2L. A student with 5 absences in Lab will be dropped from the course with a grade of F.

## PROGRAMMING ASSIGNMENTS

A number of programming assignments are made to code and execute ON YOUR OWN. Microsoft Visual Studio is recommended and can be downloaded free of charge. All programs turned in late will be penalized 5 points per 24 hours late. Programs containing syntax errors are unacceptable and will be returned without grading.

## MISSED PROGRAMS

If a student fails to turn in an executing program for any project, a zero is assigned and counted as *two grades*. *If a student fails to turn in a second project, he/she will receive an F in the course.*

## HOMEWORK & QUIZZES

Periodically homework assignments are taken up and graded. It is the student's responsibility to keep up with assignments and to ask questions over the assigned work, even if absent. All homework assignments are due at the beginning of class. NO late homework assignments are

accepted. Quizzes over the homework are given on a regular basis. These may be announced or not. Make-up quizzes are not given. Unless otherwise stated, all homework must be turned in as a hard (paper) copy. An email attachment of an assignment will only be accepted with prior permission and only in unusual circumstances.

## FINAL EXAM

There is no make-up final exam. The final exam will take place in our regular classroom. It is the student's responsibility to keep track of the designated date, time. A complete list of all MSU exams (by time) can be found at [Final Exam Schedule](#). The final exam date is Wednesday December 11, 2019, from 8:00 am to 10:00 am.

## CHEATING/PLAGIARISM

Each student is expected to design, code, enter, test, and validate his/her own work. To submit another's work (even partial) as your own is called *plagiarism* and is subject to severe action as stated in the MSU Student Handbook and the CMPS Policy on Academic Honesty. *Two students working together to complete an independent assignment is also considered cheating.* Students are expected to see the instructor or the lab assistants for help on assignments. ~~ Cheating in any form will not be tolerated. This includes, but is not limited to, cheating on exams, turning in another's work as your own, & plagiarism on written work. Punishment may include an F in the course or expulsion from the university. (Refer to Student Handbook and Activities Calendar, Code of Student Conduct, Standards of Conduct, No. 11.) Slides on Plagiarism are posted on the course website.

## CMPS POLICY ON ACADEMIC HONESTY

The Department of Computer Science has adopted the following policy related to cheating (academic misconduct). The policy will be applied to all instances of cheating on assignments and exams as determined by the instructor of the course.

- 1<sup>st</sup> instance of cheating in a course: The student will be assigned a non-replaceable grade of zero for the assignment, project or exam. In addition, the student will receive a one-letter grade reduction in course.
- 2<sup>nd</sup> instance of cheating in a course: The student will receive a grade of F in course & immediately be removed from course.
- All instances of cheating will be reported to the Department Chair and, in the case of graduate students, to the Department Graduate Coordinator.

## CMPS 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.
- No student is allowed to leave the room during an exam and return.

## ASSISTANCE

*Free Tutoring* is provided by the CMPS Department. (Schedule will be posted.) Students are highly encouraged to utilize the tutoring or see the instructor for assistance on programs. The Tutors are advanced CS students. They are there to *assist* you; they will not do your work for you. Your instructor will hold regular office hours. Students are encouraged to take advantage of these times, also.

## GENERAL EDUCATION STATEMENT

Students in this course must demonstrate their competency in writing through program documentation, and their competency in fundamental math skills through the exercises in numbering systems and mathematical-based programming assignments.

## OPEN LABS

Students may complete program assignments on their personal computers or in one of the campus labs. Currently, C++ is available in all campus labs. Students are encouraged to use Bolin 103 (when available) or Bolin 119 which is open from 8 a.m. to 5 p.m. M-F (CS tutor available).

## ELECTRONIC DEVICE POLICY

ALL electronic devices must be turned off when entering class and must be stored in a bag or pocket, etc. and may not be on the desk or out during class. This includes cell phones, laptop computers, tablets, smart watches, and any other device that might be a distraction to you, your classmates, or the instructor. If you wish to use your laptop for taking notes during class, please discuss this with Dr. Halverson. Failure to adhere to this policy may result in your being removed from the class.

## EXTRA CREDIT

Occasional extra credit opportunities will be announced. These usually take the form of a homework or quiz grade replacement or points added to an exam.

## CLASSROOM CIVILITY

All violations of classroom civility will be reported to the Dean of Students. Students are expected to assist in maintaining a classroom environment that is conducive to learning." In order to ensure that all students gain from time spent in class, students are prohibited from engaging in any form of distraction, e.g. leaving the room for extended periods of time, reading newspapers (or other articles), working on other courses, and using cell-phones or laptops for calls or messages. If you indulge in any such inappropriate behavior (without explicit consent of the instructor), you will (at the very least) be asked to leave the classroom. MSU Dean of Students Website.

## 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 to make any necessary arrangements. 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 from Disability Support Office has been provided. For additional information you may contact the Disability Support Office in Clark Student Center 168 - Phone: (940) 397-4140.

[Disability Support Services Website.](#)

## DEAN OF STUDENTS

The Dean of Students can assist in notifying the campus community of student illnesses, immediate family deaths and/or student death. Generally, in cases of student illness or immediate family deaths, the notification to the appropriate campus community members occur when a student is absent from class for four consecutive days with appropriate verification. It is the student's responsibility for missed class assignments and/or course work during their absence. [MSU Dean of Students Website.](#)

## RECORDING OF CLASS LECTURES

Permission must be requested in writing & 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 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.

## CAMPUS CARRY

Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. 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 [Campus Carry](#).

## RESEARCH AND CREATIVE ACTIVITY OPPORTUNITIES AT MSU

Enhancing Undergraduate Research Endeavors and Creative Activities (EURECA) is a program that provides opportunities for undergraduates to engage in high-quality research and creative activities with faculty. EURECA provides incentives and funding through a system that supports faculty and students engaged in collaborative research and creative works. For more information contact the Office of Undergraduate Research at (940) 397-6274 or by email at [eureca@msutexas.edu](mailto:eureca@msutexas.edu) or better yet, stop by the UGR office located in the atrium of the Clark Student Center, room 161. Information and resources are also available at [Eureca's website](#).

## UNDERGRADUATE RESEARCH OPPORTUNITIES AND SUMMER WORKSHOP (UGROW)

Like EURECA, UGROW provides opportunities for students to conduct research with faculty. However, the research occurs in the summer. For five weeks UGROW students experience the authenticity of scientific research as well as research and creative activities in art, music, theater education, business, health and social sciences, English, history, etc. in a highly interdisciplinary environment. Students work on projects of their choice and present their findings at the end of program and the MSU Undergraduate Research and Creative Activity Forum. If you have any questions, contact the Office of Undergraduate Research at (940) 397-6274 or by email at [eureca@mwsu.edu](mailto:eureca@mwsu.edu). More information and resources are available at [ugrow's website](#).

## COUNCIL ON UNDERGRADUATE RESEARCH

To support undergraduate research and creative activities, Midwestern State University holds an enhanced institutional membership with [the Council on Undergraduate Research \(CUR\)](#). This institutional membership includes unlimited memberships for any interested faculty, staff, and students. Students find information on benefits and resources at the council for undergraduate research website and sign up at no cost at [this website](#). I would like to personally invite you to become a member of CUR so that you benefit from all the opportunities CUR offers to you.

CUR Undergraduate Resources Webpage contains:

- Research Opportunities;
- Presentation Opportunities;
- Undergraduate Research Journals;
- CUR-Sponsored Student Events;
- The Registry of Undergraduate Researchers;
- And more!

## SCHOLARBRIDGE

Midwestern State University is excited to announce a new resource designed to address a commonly expressed student need—the creation of a centralized searchable database of faculty research interests and opportunities. We have entered into a partnership with [ScholarBridge](#), is a website designed to help students participate in undergraduate research and creative activities. I strongly encourage you to join ScholarBridge at your earliest convenience.

## TENTATIVE AGENDA

We will try to respect this agenda as much as possible, however it is possible that some topics will require more, or less time to cover them, which may lead to changes. Students will be informed about those changes in class. The instructor reserves the right to modify (add, remove, update the current agenda). We will try to respect this agenda and its order as much as possible.

1. Chapter 1
2. Chapter 2
3. Chapter 3
4. Chapter 5
  - a. Sections 5.1 to 5.6
  - b. Section 5.8
5. Chapter 6
  - a. Sections 6.1 to 6.13 (except for 6.11)
  - b. Once we finish section 6.12, we will jump to chapter 8
6. Chapter 8
  - a. Sections 8.1 to 8.9 (except for 8.8)
7. Chapter 6
  - a. Section 6.13