

CSC 108 Introduction to Computer Programming Spring 2022

Professor: Louise Campbell

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Office: KHIC 040

Office Hours: Monday & Wednesday 11:30am-12:25 pm;
additional times by appointment

Course Description:

A first experience in computer programming for students who have no previous programming experience. Hands-on laboratory activities will be a major part of the course. 2 Sem. Hrs.

Textbook: Reas, Casey and Ben Fry. Getting Started With Processing, 2/e. Make Publishing, 2015. This text is accessible for free via O'Reilly Learning / SAFARI as part of the on-line resources of the University of Mount Union Library. Other freely-accessible on-line texts may also be used during the course.

Means of Evaluation:

Participation (5 pts / class; see policies below) ...	= 115 pts
Lab Assignments & Activities	= 90 pts
5 Programming Assignments (25 pts each)	= 125 pts
6 Quizzes (25 pts each)	= 150 pts
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TOTAL POINTS POSSIBLE	= 480 pts

*Final projects will be presented during the *Final Exam Period*, Thursday, March 3 11am-1pm. They will be worth 25 points and will replace the lowest programming assignment or quiz score. Students are expected to participate even if they do not present.

Grading Criteria:

92% – 100.0%	= A
90% – 91.9%	= A–
88% – 89.9%	= B+
82% – 87.9%	= B
80% – 81.9%	= B–
78% – 79.9%	= C+
72% – 78.9%	= C
70% – 71.9%	= C–
62% – 69.9%	= D
60% – 61.9%	= D–
0% – 59.9%	= F

Course Policies:

Participation points for a class session are given for attendance and a minimum of 40 minutes spent working in person in the classroom on CSC 108 activities. All assignments are due at 11:59pm on D2L on the due date, unless specifically stated otherwise. Penalty for late work = –20% of the points for the assignment per class session work is submitted late. Make-up work will be available/acceptable only with a legitimate excuse approved by the instructor. (WARNING: Make-up quizzes and assignments may be more difficult than regular work!) No cell phones or other communications devices/software may be used during any in-class evaluation.

Tentative Weekly Schedule:

Key: (Lab Assignment Due) <Programming Project Due> [Quiz Date]

Week	Monday	Wednesday	Friday
1	1/10: Introduction	1/12: Lab 1/Prog 1	1/14: Lab 1/Prog 1
2	1/17: ** <i>MLK, Jr. Day</i> **	1/19: (Lab 1 due)	1/21: < Prog 1 due > [Quiz 1]
3	1/24: Lab 2/Prog 2	1/26: Lab 2/Prog 2	1/28: (Lab 2 due) [Quiz 2]
4	1/31: <Prog 2 due >	2/ 2: Lab 3/Prog 3	2/ 4: Lab 3/Prog 3
5	2/ 7: (Lab 3 due) [Quiz 3]	2/ 9: Lab 4/Prog 3	2/11: Lab 4/Prog 3
6	2/14: (Lab 4 due) [Quiz 4]	2/16: <Prog 3 due >	2/18: Lab 5/Prog 4
7	2/21: (Lab 5 due) [Quiz 5]	2/23: <Prog 4 due>	2/25: Lab 6/Prog 5
8	2/28: (Lab 6 due)	3/ 2: < Prog 5 due > [Quiz 6]	3/ 3: (Thurs.) <i>Final Projects</i>

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Accessibility Support Statement:

The University of Mount Union values disability as an important aspect of diversity and is committed to providing equitable access to learning opportunities for all students. Student Accessibility Services (SAS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations based upon appropriate documentation, nature of the request, and feasibility. If you have, or think you have, a temporary or permanent disability and/or medical diagnosis in any area such as, physical or mental health, attention, learning, chronic health, or sensory, please contact SAS. The SAS office will confidentially discuss your needs, review your documentation, and determine your eligibility for reasonable accommodations. Accommodations are not retroactive, and the instructor is under no obligation to provide accommodations if a student does not request accommodation or provide documentation. Students should contact SAS to request accommodations and should discuss their accommodations with their instructor as early as possible in the semester. You may contact the SAS office at (330) 823-7372; or via e-mail at studentaccessibility@mountunion.edu.

Academic Honesty Statement:

Academic Integrity is at the heart of the mission and values of the University and is an expectation of all students. Maintaining academic integrity is a reflection of your character and a means to ensuring that you are achieving the outcomes of this course and that your grades accurately reflect your learning and understanding of the course material. All work you submit in this course should be yours and your alone.

To ensure you have an accurate understanding of what is expected in this course, please refer to the Academic Honesty section on page 50 of the University Catalogue. Please note that the standards outline in that policy apply to all course types, including online courses.

Course Goals:

Students will learn introductory concepts of computer programming through hands-on experience in reading and writing programs.

Course Objectives:

Upon completion of this course, students should be able to:

- identify the differences in representations of various data types in a computer programming language.
- write computer programs that use selection to choose one of several alternative actions based on the relationships between data values.
- write computer programs that use repetition to execute one (or several) programming statement(s) a specific number of times.
- write computer programs that use arrays to store large collections of data and process that data in meaningful ways.
- read the source code of a computer program and correctly predict the results of executing that program.