

# CSCI161: Introduction to Programming I

## Millersville University, Fall 2022

### Course Information

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**Web:** [cs.millersville.edu/~jxie](http://cs.millersville.edu/~jxie)

**Office:** Roddy 142

**Office Hours:**

Mon 12:00 AM–1:00 PM, 3:00 PM–4:00 PM

Tue 3:00 PM–4:00 PM

Wed 11:00 AM–1:00 PM

Fri 12:00 PM–1:00 PM

**Lecture:**

MF 2:00PM – 2:50PM, T 1:10PM – 3:00PM

**Classroom:** Roddy 140/147

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Feel free to contact me through email or stop by my office

### Course Description & Outcomes

This course is an introduction to computer programming for the students intending to major in computer science or related fields. It gives a comprehensive introduction to basic elements of Java (currently) programming language: built-in data types, elementary data structure, conditional structures, looping structures, functions, etc., and emphasizes on developing ability to implement algorithms in Java.

At the end of the course, a student will be able to:

1. use a computer system to edit, compile, and execute a program.
2. design a solution to a given problem.
3. write a program to implement the solution.
4. use basic programming techniques including appropriate data types, conditional structures, looping structures, and expressions.
5. design and use methods with parameters and return values, and basic array structures.
6. understand the object-oriented thinking and programming.
7. use accepted style when writing a program.
8. properly test a program to ensure its correctness and robustness.

### Important Dates

These are subject to change, pending snow days, sick days, or other modifications to the schedule.

August 22	First day of class
August 29	Last day to add or drop classes online
September 20	First exam
October 25	Second exam
October 28	Last day to withdraw with W
November 23-27	Thanksgiving Recess
December 5	Last day of class
December 8	Final exam at 10:15am

## Course Materials

We will be using one textbook, several websites, and some free software to manage this course.

### Textbook

We have a required textbook, which is *Building Java Programs: A Back to Basics Approach, 4th Edition*, by Stuart Reges and Marty Stepp, ISBN 978-0134322766. The same text was required last year, so you may be able to find used copies as well. Renting the book is also a very reasonable idea, especially if you are not planning to take more Computer Science courses.

### Desire2Learn

Desire2Learn is a course management system – a website on which you can find electronic resources related to this class, submit your homework, and view your grades. You can find the website at <https://millersville.desire2learn.com/>, and will need to log in using your Millersville credentials. I will show you how to use this website during the first lab meeting.

### AutoLab

AutoLab is an automated grading and feedback system. You will submit your finished lab assignments to it, and it will automatically check them for many common errors and tell you about them. If it finds problems, you can correct them and re-submit your work. You can find the website at <https://autolab.millersville.edu/>, and will need to log in using your Millersville credentials. I will show you how to use this website during the first lab meeting.

### Eclipse

You will be learning to use an integrated development environment known as Eclipse. It is installed on the computers in the lab, which are available for your use when there is no class meeting in it. You can also download it for free and install on your own computer, no matter what your operating system is. Instructions for doing so will be provided during the class.

## Assessment

- 10% of your grade will be determined by your attendance.
- 30% of your grade will be determined by laboratory assignments.
- 15% of your grade will be determined by homework assignments.

- 25% of your grade will be determined by the final examination.
- 20% of your grade will be determined by two midterm examination (10% for each).
- Up to 2% will be added to your grade *at the professor's discretion* based on active participation during lecture and laboratory periods.

I will grade on a ten-point grading scale. I will round your grades. An 89.51 will be classified as a A-

**YOU MUST EARN AT LEAST A 60% AVERAGE ACROSS ALL EXAMS TO EARN A C- OR HIGHER IN THE COURSE**

≥ 93	≥ 90	≥ 87	≥ 83	≥ 80	≥ 77	≥ 73	≥ 70	≥ 67	≥ 63	≥ 60	< 60
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

**YOU MUST ATTEMPT ALL EXAMINATIONS AND ASSIGNMENTS TO PASS THE COURSE.**

## Homework

Approximately once per week there will be a homework assignment in which you will answer questions or write short code snippets of a similar form to what you might see on an exam. Homeworks are to be completed outside of class and submitted through Desire2Learn.

## Labs

Approximately once per week there will be a lab assignment in which you will design and implement a small- or medium-sized program. Lab assignments will be started in class on lab days, but it may be necessary for you to continue working on them outside of class. Lab assignments should be submitted through AutoLab, as many times as you wish until they are entirely correct or the deadline has passed.

## Exams

There will be Three exams. The first two are in-class exams to be given on a Wednesday, while the Second exam will be given during finals week. All exams will be cumulative and be taken with pencil and paper. Exam make-ups will only be permitted due to extraordinary circumstances, and require written documentation.

## Course Policies

So that expectations can be clear for everyone, please read carefully the following policies about how the course will be run.

## Communication

When you have a question that is highly specific to yourself, the best way to reach me is through email. Especially if you are requesting that I do something for you in person, I will ask you to do so by email so that I have a record of the request and cannot forget it.

When you have a question that is not specific to yourself, you should start by looking on Piazza to see if your question has already been answered. If it has not, you should consider posting your question on Piazza, partially because a classmate may be able to answer it but more importantly so that everyone will be able to see and benefit from the answer.

But you can always email me your questions and I will make every effort to respond to emails and Piazza posts within 24 hours, although this may not always be possible on weekends or holidays.

## **Attendance**

Attendance during all lecture and lab meetings is expected, and will be recorded. Excessive absences will affect your course grade and be reported to the administration. When you are unable to attend class due to illness, emergency, or conflict with an official university event, notify me in advance by email and make arrangements to discuss what you missed. You are not required to attend a F2F class but you have to attend classes remotely at least.

## **Inclement Weather**

If the college is open for business, we will be having class. If you are unable to make it to campus, your absence will be excused but you must make up the work that you missed. If the college closes due to inclement weather, you may be required to do work outside of class equivalent to what would have been covered in class that day.

## **Assistance**

In any course, all students experience some difficulties and frustration and everyone makes mistakes. Everybody needs help sometimes, and I would love to provide it! Asking for help when needed is a sign of strength and maturity. It is best to talk to me as soon as possible when you are struggling, before you fall far behind. You can do so after class, during my office hours, or by email.

In addition to my office hours, there will be time set aside in which tutors who have taken this course in the past will be available to help you with the course. Their schedule is not yet available, but will be posted as soon as it is known.

## **Late Work**

Late homeworks will not be accepted in any circumstances. You are given three “grace days” to use on lab and/or project assignments. Each grace day extends the deadline on a lab or project assignment by 24 hours. Grace days are tracked by AutoLab, which will automatically allow you to submit an assignment late if you have unused grace days.

## **Distractions**

We have only a very limited time together: two hours per week in a classroom and two hours per week in the lab. We need to make the most of this time, which requires your close and constant attention.

When we are in the classroom, please consider putting away any electronic devices unless I allow you to use them. When we are in the lab, you may use a music streaming service (with headphones), but please do not watch videos, use social media websites, or otherwise distract yourself from the assignment you are working on.

## **Computer Labs**

Where we meet for lab, is available for students to use from 8:00am until 8:00pm Monday through Thursday, and 8:00am to 5:00pm on Fridays, whenever there is no class using it. If there are open seats during a class, the instructor may allow other students to use them, at his or her discretion.

## Online Exams and Office Hours

All exams are online this semester. During the exam, you must join our Zoom meeting and open your camera and mic. My office hours will also be held online. You can join the Zoom meeting at any time during my office hours. You may be put into a waiting list if there are students ahead of you.

## University Policies

These policies apply to not only this course, but to all Millersville University courses, though they may be explained here in ways that are specific to this course.

### Academic Dishonesty Policy

The purpose of homework, lab, and project assignments is for you to practice and think about the topics of this course, to provide both you and me with an accurate measure of your current understanding and commitment to quality work, and to get feedback from me about how to improve those things. To achieve those goals, you have an obligation to do your work independently and honestly.

You may discuss assignments with classmates, but only at a level that you would feel comfortable posting publicly on Piazza. (I will monitor it for questions and answers that are too specific to allow everyone to figure things out on their own.) When asking a classmate for ideas about how to solve a problem both of you should step away from computers, have a discussion at a whiteboard, erase it, and return to the computer only with your memories. Then include a comment in your programming that documents who you had the discussion with and what you learned from them.

The only exception to this rule is asking a classmate to help you resolve a specific compiler error, in which case it would be appropriate for that student to look over your shoulder at your screen. Under no circumstance should you send a copy of your work to another student, or request that someone do so.

The same rules apply equally to persons who are not in the class and to the Internet.

Failure of a single assignment is not a major impediment to completing the course. To the contrary, it can be an excellent push to get the help that you need. Being caught committing academic dishonesty, however, requires a report to the Associate Provost and can have very serious consequences, including possible expulsion from the university.

## Title IX

Millersville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C., section 1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University required faculty members to report to the University's Title IX Coordinator incidents of sexual violence shared by students.

The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred.

Information regarding the reporting of sexual violence, and the resources that are available to victims of sexual violence, is available at [www.millersville.edu/titleix](http://www.millersville.edu/titleix).

## **Counseling Reminder**

Students sometimes face mental health or drug/alcohol challenges in their academic careers that interfere with their academic performance and goals. Millersville University is a caring community and resources are available to assist students who are dealing with problems. The Counseling Center (717-871-7821) is an important resource for both mental health and substance abuse issues. Additional resources include: Health Services (871-5250), Center for Health Education & Promotion (871-4141), Campus Ministries, and Learning Services (717-871-5554).

## **Americans With Disabilities Act**

Millersville University is committed to equality of opportunity and freedom from discrimination for all students, employees, applicants for admission or employment, and all participants in public University-sponsored activities. In keeping with this commitment, and in accordance with the Americans with Disabilities Act (ADA) the University will make every effort to provide equality of opportunity and freedom from discrimination for all members of the University community and visitors to the University, regardless of any disability an individual may have. Accordingly, the University has taken positive steps to make University facilities accessible to individuals with disabilities and has established procedures to provide reasonable accommodations to allow individuals with disabilities to participate in University programs. The university administration and management are obligated to report any allegation of discrimination to the appropriate office as defined in this policy.

Please let me know how I may make accommodations in the classroom setting that will enhance and support your learning. Additionally, students with disabilities who believe that they may need accommodations in this class are encouraged to contact the Office of Learning Services at 352 Lyle Hall (717-871-5554) as soon as possible to enhance the likelihood that such accommodations are implemented in a timely fashion.