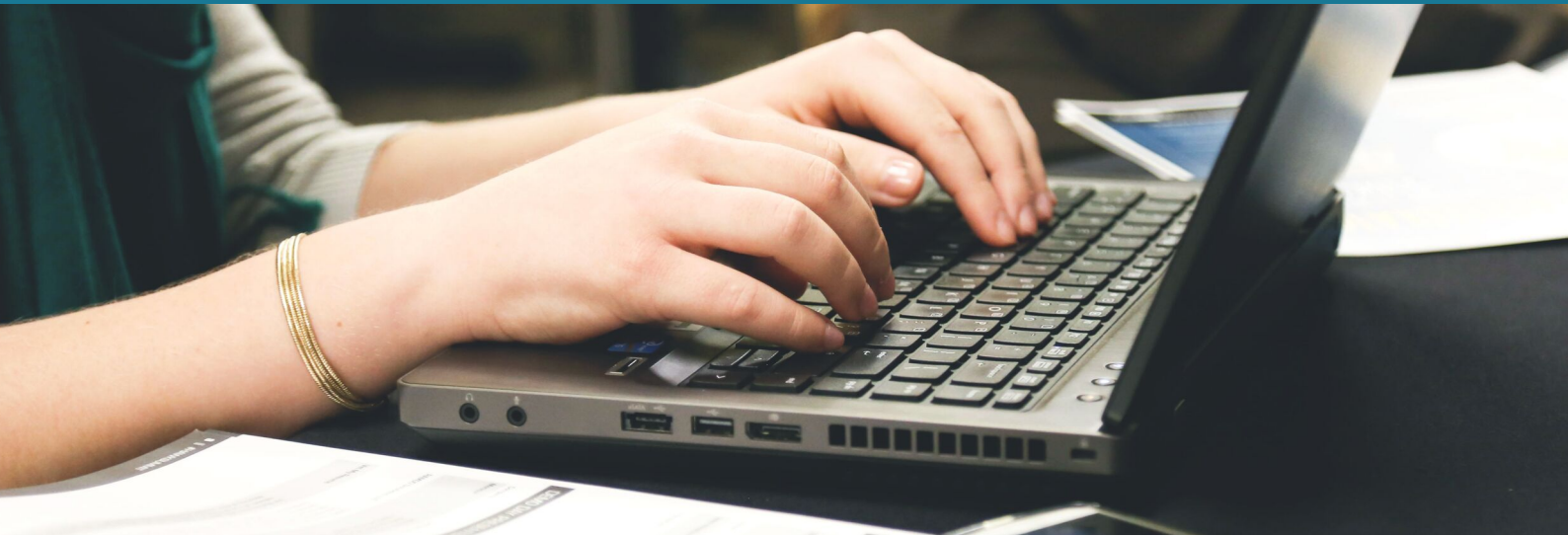


# Intro to Computer Science I

Tuesdays and Thursdays 4 to 5:15 PM in Portal 129



## Why should I take this course?

"Whether we're fighting climate change or going to space, everything is moved forward by computers, and we don't have enough people who can code."

- Richard Branson, Founder, Virgin Group

In this course, you will learn the foundations of programming. There are so many benefits of learning coding, such as:

1. Learning and developing your problem-solving skills
2. Becoming more efficient and productive
3. Creating new opportunities career-wise
4. Discovering new ways to think about things
5. Empowering yourself

We will discuss this more in class! Before we meet, start thinking about reasons why learning coding will benefit you and why you want to take this course (other than it being required!). I've also posted some additional resources and videos on Canvas, so take a look!

## WHAT'S INSIDE THIS SYLLABUS?

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# What will I learn?

## Learning Outcomes

- You will become familiar with the Java programming language.
- You will learn the fundamentals of structured programming concepts such that you will be able to analyze a problem and create a solution algorithm and code.

## Course Topics

1. Introduction to Computers, Programming, and Java
2. Elementary Programming (e.g., Input and Output)
3. Selections (e.g., If-Statements)
4. Mathematical Functions, Characters, and Strings
5. Loops
6. Methods
7. Single Dimensional Arrays
8. Multi Dimensional Arrays
9. Introduction to Object-Oriented Programming

This syllabus is subject to change based on how we progress throughout the semester.

## Instructor Info

Hello! My name is Aileen Benedict.

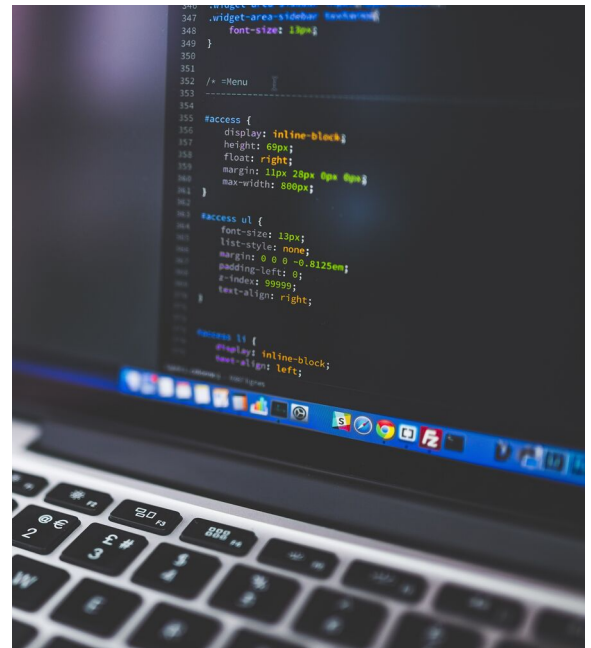
I will be your instructor this semester. :)

My office hours will be in **Woodward 402** during the following times:

- Mondays 10 - 11 AM
- Thursdays 2 - 3 PM

Please feel free to stop by with any questions! If these times don't work for you, shoot me an email to set up an appointment.

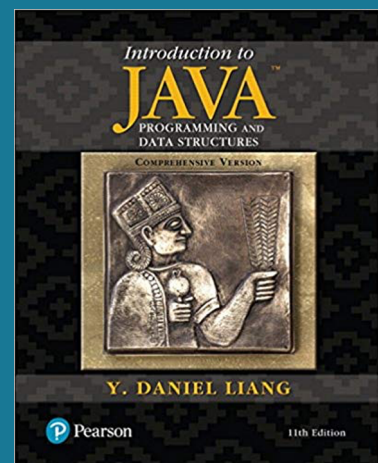
We will also have TA's for this course who will be available and are always a good source to ask for help. They don't bite! Their information will be posted on Canvas once details are finalized.



## Materials

### You need this book

Introduction to Java Programming, Comprehensive, 11th edition. Y. Daniel Liang, ©2017, Pearson



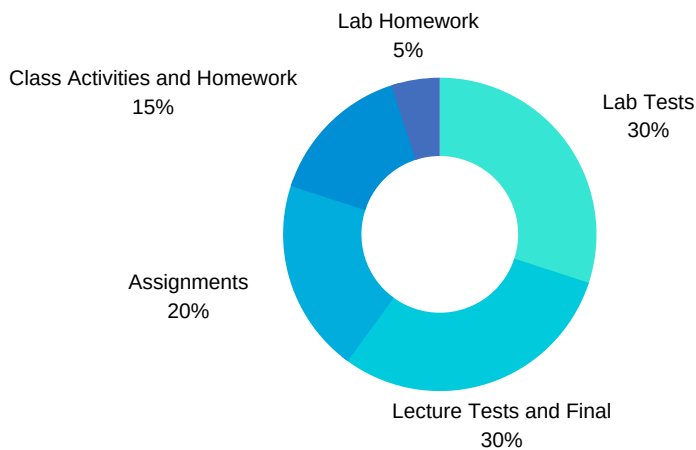
### And a computer

We will be using laptops in class to work on class activities. A laptop or pc will also be required for assignments and homework. If you do not have one, you can access the computer labs in Woodward or check one out from the library.

Let me know if you have any trouble with getting the required materials!

# How will I be graded?

## Grading Breakdown



## Grading Scale

Grading will be based on the following scale:

- 90 and above = A
- 80 - 89 = B
- 70 - 79 = C
- 60 - 69 = D
- 59 and below = F

## Participation of Lecture and Lab

This course consists of both a lecture and a lab. Attendance for both is mandatory. Your lab section meets once a week and **you are required to attend every lab**. Lab is a pass/fail grade, and you must pass the lab in order to pass the course. **You cannot pass the lab if you have more than 2 absences**. If you know you are going to miss a lab, contact me and your TA beforehand. If there is an emergency, communicate with me and/or your TA as soon as possible.

In lecture, we will complete Kahoots as a way to both practice the material and check attendance.

## Late Policies

For homework and assignments, each additional day late will be a penalty of 5%.

## Types of Activities

**Lab Homework:** We will have both pre- and post- lab homework every week as a way to learn and practice the material.

**Class Activities and Homework:** Our class follows the "flipped-classroom" structure (this will be discussed more on our first day). There will be some prepwork due before each class as a way to learn the material, and then we will complete activities during the class for practice.

**Assignments:** These are larger programming projects that are to be done individually. There will be 4 assignments in total this semester. All plagiarism policies will be upheld. However, it is OK to get help from me and/or your TA's if you have any questions.

**Lab Tests:** We will have 3 lab tests over the course of the semester. Each one will be worth 10%.

**Lecture Tests and Final:** We will have 2 lecture tests and 1 final. Each will be worth 10%. Many of our Kahoots will serve as good review and practice for the exams. We will also hold review sessions in class beforehand.



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# Campus Policies

## Academic Integrity and Plagiarism

All students are required to read and abide by The Code of Student Academic Integrity. Violations of the Code of Student Academic Integrity, including plagiarism, will result in disciplinary action as provided in the Code. Definitions and examples of plagiarism are set forth in the Code. The Code is available from the Dean of Students Office or online at: <http://legal.uncc.edu/policies/up-407>. The code will be strictly enforced and is binding on the students. Grade and academic evaluations in this course include a judgment that the student's work is free from academic dishonesty of any type; and grades in this course therefore should be and will be adversely affected by academic dishonesty. Students who violate the code can be expelled from UNC Charlotte. The normal penalty for a first offense is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases the course grade is reduced to an F.

## Withdrawals

Students are expected to complete all courses for which they are registered at the close of the add/drop period. If you are concerned about your ability to succeed in this course, it is important to make an appointment to speak with the instructor as soon as possible. The University policy on withdrawal allows students only a limited number of opportunities available to withdraw from courses. It is important for you to understand the financial and academic consequences that may result from course withdrawal (<http://provost.uncc.edu/policies/academic/withdrawals>).

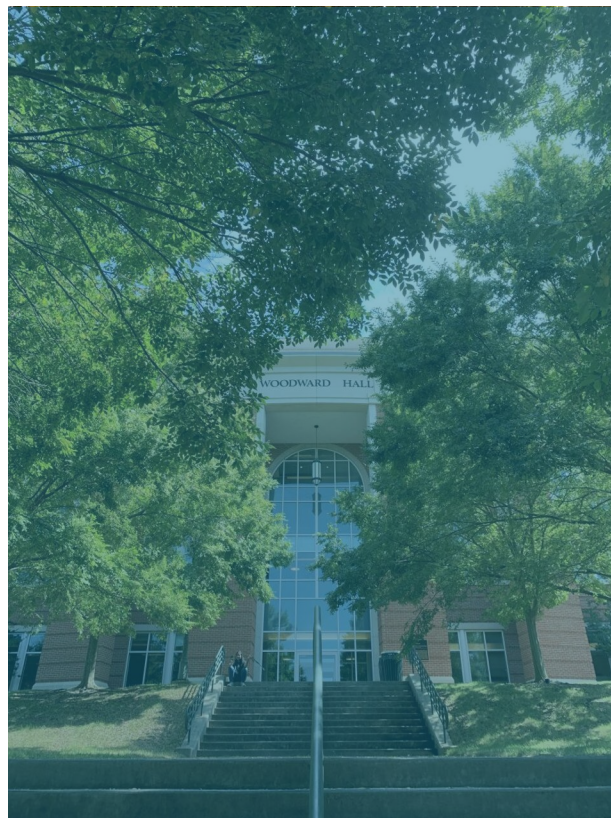
## Inclusivity

**Preferred Gender Pronoun:** This course affirms people of all gender expressions and gender identities. If you prefer to be called a different name than what is indicated on the class roster, please let me know. Feel free to correct me on your preferred gender pronoun. If you have any questions or concerns, please do not hesitate to contact me.

**Non-Discrimination:** All students and the instructor are expected to engage with each other respectfully. Unwelcome conduct directed toward another person based upon that person's actual or perceived race, actual or perceived gender, color, religion, age, national origin, ethnicity, disability, or veteran status, or for any other reason, may constitute a violation of University Policy 406, The Code of Student Responsibility. Any student suspected of engaging in such conduct will be referred to the Office of Student Conduct for possible conduct action.

## Title IX Reporting Obligations

UNC Charlotte is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence, and stalking. If you (or someone you know) has experienced or experiences any of these incidents, know that you are not alone. UNC Charlotte has staff members trained to support you in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more. Please be aware that many UNC Charlotte employees, including all faculty members, are considered Responsible Employees who are required to relay any information or reports of sexual misconduct they receive to the Title IX Coordinator. This means that if you tell me about a situation involving sexual harassment, sexual assault, dating violence, domestic violence, or stalking, I must report the information to the Title IX Coordinator. Although I have to report the situation, you will still have options about how your case will be handled, including whether or not you wish to pursue a formal complaint. Our goal is to make sure you are aware of the range of options available to you and have access to the resources you need. If you wish to speak to someone confidentially, you can contact any of the following on-campus resources, who are not required to report the incident to the Title IX Coordinator: (1) University Counseling Center ([counselingcenter.uncc.edu](http://counselingcenter.uncc.edu), 7-0311); (2) Student Health Center ([studenthealth.uncc.edu](http://studenthealth.uncc.edu), 7-7400); or (3) Center for Wellness Promotion ([wellness.uncc.edu](http://wellness.uncc.edu), 7-7407). Additional information about your options is also available at [titleix.uncc.edu](http://titleix.uncc.edu) under the "Students" tab.



## Sexual Harassment

All students are required to abide by the UNC Charlotte Sexual Harassment Policy and Grievance Procedures (available online at: <http://legal.uncc.edu/policies/up-502>) and the policy on Responsible Use of University Computing and Electronic Communication Resources (available online at: <http://legal.uncc.edu/policies/up-307>). Sexual harassment, as defined in the Sexual Harassment Policy and Grievance Procedures, is prohibited, even when carried out through computers or other electronic communications systems, including course-based chat rooms or message boards.

## Disability Accommodations

Students in this course seeking accommodations to disabilities must first consult with the Office of Disability Services and follow the instructions of that office for obtaining accommodations.