

# Computer Programming I

CS121 - Fall 2021



## Hello, World!

So many of the devices you use and encounter in your day to day life have computer programs running on them. Phones, coffee makers, cars, scooters, traffic lights, ATMs, and more all have some sort of hardware that runs programs.

### You will learn how to solve problems by coding!

This course is an introduction to Java programming and Computer Science concepts. You will learn about variables, data types, expressions, string processing, arrays, text file I/O, conditional statements and iterative statements. At the end we will be introduced to abstraction and reuse with methods, parameters and objects.

*(If none of these words have meaning to you, that's OK!)*

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## What is the format of the course?

This section of the course is **in person**. We meet on **Tuesday** and **Thursday** from **12:15pm - 2:15pm**. You are required to not only attend but participate by **coding and actively engaging** in the course.

### Need Help?

Email me [cguida@pace.edu](mailto:cguida@pace.edu) with any comments or questions. Always use your @pace.edu email.

**Fall 2021** Office hours: **PLV**: Wednesday 1:00pm - 3:30pm    **NYC**: Thursday 2:30pm - 5:00pm

I will also be on **Discord** at those times: <https://discord.gg/ZMfRA5wFRS> #prof-carmin-office

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## Is there a textbook for this course?

The textbook for this course is an online textbook that is **required**.

**You need to subscribe following the steps below:**

1. Sign in or create an account at <https://learn.zybooks.com>
2. Enter zyBook code: **PACECS121GuidaFall2021**
3. Subscribe

*A subscription is \$77. Students may begin subscribing on Sep 8, 2021.*

*Subscriptions will last until May 29, 2021.*

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## How does this textbook work?

Inside zyBooks you will find text to read like any other book. You will also find:

### Participation Activities

These are **required** activities that help you strengthen your knowledge of the material.

### Labs

These are **required** programming exercises. The first labs in a week are worth 1 point. "Minibosses" are worth 5 points. "Boss Battles" are worth 15 points.

### Challenge Activities

These are *optional* activities to challenge your skills. If you are a few points shy of finishing the Participation Activities for the week, you can make it up in Challenge Activities.

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## What kind of computer and software do I need?

The exams are online and use a "lockdown browser" which **requires a Mac or Windows** computer.

For working on assignments, you can code right inside zyBooks or use <https://replit.com>

However, you may find a desktop program such as Eclipse to be much faster. Eclipse is free and runs on Mac, Windows and Linux.

Go to this page: <https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>

Choose the one for your operating system and click accept. You might need to create an account.

**Wait for the JDK to finish installing before going to the next step!**

Install Eclipse: <https://www.eclipse.org/downloads/packages/>

Look for: "Eclipse IDE for Java Developers" (use this one do not get the Enterprise one).

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## How does the grading work in this class?

Your grade is based on the following:

Attendance/Participation:	5%
zyBooks Participation Activities:	10%
zyBooks Labs:	40%
Midterm Exam:	20%
Final Exam:	25%

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## What are the grade ranges?

The grade ranges are below. Grades are not curved.

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

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## Can I get extra credit?

The short answer is No. The long answer is Nooooooooooooooooooooooooooooo.

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## How do we take an exam in this course?

Exams in this course have a multiple choice/short answer part as well as a programming part.

**You must download and use the lockdown browser** to take the multiple choice/short answer part of the exam. This will **require a Mac or Windows computer**. Once you finish the first part of the exam, you can use replit or Eclipse and submit the programming portion to zyBooks (similar to the labs).

**You must be available on the dates of the Midterm and Final.**

**Midterm:** Thursday, Oct 28 from 12:15pm - 2:15pm (Eastern Time)

**Final:** Tuesday, Dec 21 from 12:15pm - 2:15pm (Eastern Time)



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## What are the policies/rules for deadlines with zyBooks Activities and Labs?

Work for the previous week is always due on **Tuesday by 12:00pm** (Eastern Time).

You can submit late up to **Thursday by 12:00pm** (Eastern Time).

After that time your assignment will **not be accepted**.

You will lose **10% of the points per day late**.

Due by 12:00pm means your assignment was submitted by 12:00pm. **1 minute late is a day late.**

If you are having any sort of technical issues, you must **email me before the deadline**.

Only email me from your @pace.edu email address: [cguida@pace.edu](mailto:cguida@pace.edu)

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## What is the schedule of topics?

This is generally the order of topics in the course. It might change slightly.

- Introduction, Variables, Int, Arithmetic
- Binary, Strings, Characters, Floating-point Numbers
- Comments, Style, Debugging, Type Conversions, Overflow, Numeric
- String Operations, Formatting, API Docs, Math and Random
- If, Else, Ranges Equality, Logical Operators
- Comparisons Character Operations
- **Midterm Exam**
- Loops and Strings, Nested Loops
- Switch, Break, Conditional Expressions Enums, Do-While, Scope, Files
- Arrays concept, Iteration, Loops Enhanced Loops, Modifying Arrays
- Methods, Command-line Arguments
- Classes, Class Initialization, References
- Return Values, Variable Scope, OOP, Inheritance
- **Final Exam**

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## What are some tips for succeeding in this course?

### Start the assignments early!

If you start 2 hours before the deadline and it is 3 hours of work, you are going to have a bad time.

### Worry about your grade now!

Students in the last week or two of class will tell me they are worried about their grade. It is too late by then. Worry about your grade now!

### Do not plagiarize, copy code, peek at code, cheat, collaborate, etc.

You are not permitted to use Chegg, Course Hero, GeeksForGeeks or any other sort of sites like these **at all**. Plagiarism and any other form of academic dishonesty will earn you a grade of 0 for the **entire** assignment or exam. If you find yourself googling for an answer, email me instead.

### Ask for help!

I don't expect you to enter this class knowing how to code. If you are stuck, **ask for help**. You can reach out to me anytime: [cguida@pace.edu](mailto:cguida@pace.edu) or stop by my office hours.

## University Policies and Resources

### Academic Integrity

Students in this course are required to adhere to Pace University's [Academic Integrity Code](#), which supports honest ethical conduct in the educational process. It educates students about what constitutes academic misconduct, helps to deter cheating and plagiarism, and provides a procedure for handling cases of academic misconduct. Students are expected to be familiar with the Code, which can be found in [Policies and Procedures](#). Individual schools and programs may have additional standards of academic integrity. Students are responsible for familiarizing themselves with the policies of the schools, programs, and courses in which they are enrolled.

### Learning Commons

[The Learning Commons](#) uses an array of programs and a holistic approach to assist students with academic skills and content knowledge. We are dedicated to developing independent learners through purposeful interactions with trained, well-qualified peer and professional staff. Services offered:

- Content Support Services including, content tutoring, exam review sessions, & content preparation/support workshops
- Academic Skills Services including small group peer mentoring, academic skills workshops, and individual academic development
- Writing Support Services including, writing tutoring & writing preparation/support workshops

### Procedure for Students Who Wish to Obtain Reasonable Accommodations for a Course:

The same rigorous standards for admission apply to students with and without a disability. In order to support the continued success of students with disabilities, the University prohibits discrimination on the basis of disability and is committed to ensuring equal access for students with disabilities to its facilities, programs, and activities. The University's commitment to equal educational opportunities for students with disabilities includes providing reasonable accommodations for the needs of students with disabilities.

To request an accommodation for a qualifying disability, a student must self-identify and register with the Disability Services Office for his or her campus. The Office of Disability Services is housed in the Counseling Center on the New York City and Pleasantville campuses. No one, including faculty, is authorized to evaluate the need and arrange for an accommodation except the Coordinator of Disability Services. Moreover, no one, including faculty, is authorized to contact the Coordinator of Disability Services on behalf of a student.

For further information, please see [Information for Students with Disabilities page](#).

### Technological Resources:

- List of all [Pace Information Technology Services](#).
- For assistance with a technological concern contact the Pace Helpdesk at (914) 773-3648 or create a [help desk ticket](#).
- Visit the [Learning Remotely website](#)

## Appropriate Use Policy for Information Technology:

Pace endorses the following statement on software and intellectual rights distributed by EDUCAUSE, the non-profit consortium of colleges and universities, committed to the use and management of information technology in higher education. The statement reads:

Respect for intellectual labor and creativity is vital to academic discourse and enterprise. This principle applies to work of all authors and publishers in all media. It encompasses respect for the right to acknowledgment, right to privacy and right to determine the form, manner and terms of publication and distribution.

Because electronic information is volatile and easily reproduced, respect for the work and personal expression of others is especially critical in computer environments. Violations of authorial integrity, including plagiarism, invasion of privacy, unauthorized access and trade secret and copyright violations, may be grounds for sanctions against members of the academic community.

[Pace's appropriate use policy](#) applies to recordings of classroom instruction and digital artifacts created by faculty and students.

## Sex-Based Misconduct Policy and Procedure:

Pace University is committed to providing a safe environment for every member of its community and to ensuring that no student, faculty or staff member is excluded from participation in or denied the benefits of any University program or activity on the basis of sex. Accordingly, the University prohibits the following forms of Sex-Based Misconduct: sexual assault, sexual harassment, gender-based harassment, dating violence, domestic violence, sexual exploitation and stalking.

Instructors are a **non-confidential** resource and have an obligation to report any information about sexual assault with the Executive Director of Institutional Equity and Title IX Coordinator – Bernard Dufresne, [bdufresne@pace.edu](mailto:bdufresne@pace.edu), 163 Williams Street, Room 1017, (212) 346-1310. The Title IX/Affirmative Action Office is responsible for investigating violations of the sexual misconduct policy. Go here for more information about the [Pace University sexual misconduct policy](#).

Members of the University community who believe that they have been subjected to Sex-Based Misconduct are encouraged to report such incidents to the University and, where applicable, to local law enforcement. **Confidential** resources include the **University Counseling Centers, Offices of Sexual and Interpersonal Wellness** and **University Healthcare**. Contact information for those offices may be found in the self-care section below.

## Self-Care:

Your academic success in this course and throughout your college career depends heavily on your personal health and well-being. Stress is a common part of the college experience, and it often can be compounded by unexpected life changes outside the classroom. The Pace Community strongly encourages you to take care of yourself throughout the term, before the demands of midterms and finals reach their peak. Please feel free to talk with me about any difficulty you may be having that may impact your performance in this course as soon as it occurs and before it becomes unmanageable. Please know there are a number of other support services on campus that stand ready to assist you. I strongly encourage you to contact them when needed as well.

The Counseling Center Just In Case information supplies potentially life-saving mental health information to Pace University students, staff, and faculty, putting vital information and support options at your fingertips, just in case you or a friend needs help. Go to the [Just in Case page](#) on the Pace website or go to "Counseling Center" on the MyPace or the Pace Safe app.

During this academic year, the following information on [Coping Emotionally with COVID-19](#) may also be useful for you.



Department	Pleasantville	New York City
Advising Center for Exploring Majors	First-year: (914) 773-3756   (914) 773-3757	(212) 346-1798
Affirmative Action Office	(914) 923-2610	(212) 346-1310
Center for Spiritual Development	(914) 773-3767	
College of Health Professions Academic Advisement	UG (914) 773-3961 UG (914) 773-3347 Grad (914) 773-3114	UG (212) 618-6027 Grad (914) 773-3114
Counseling Center	(914) 773-3710	(212) 346-1526
Dean for Students Office	(914) 773-3351	(212) 346-1306
Dyson College Academic Advisement	(914) 773-3781	(212) 346-1518
International Student/Scholars	(212) 346-1368	
Lubin School of Business Academic Advisement	UG (914) 773-3531	UG (212) 618-6550 Grad (212) 618-6440
Office of Multicultural Affairs	(914) 773-3628	(212) 346-1546
Office of Sexual and Interpersonal Wellness	(212) 346-1931	
Office of Student Assistance (OSA)	(877) 672-1830	
Pace Women's Justice Center	(914) 287-0739	
Pforzheimer Honors College Academic Advisement	(212) 346-1697	
Residential Life	(914) 597-8777	(212) 346-1295
Seidenberg School Academic Advisement	<a href="mailto:SeidenbergInquiry@pace.edu">SeidenbergInquiry@pace.edu</a>	
Sexual Assault Prevention & Education	(212) 346-1931	
Study Abroad	(212) 346-1368	
Student Accessibility Services	(914) 773-3710	(212) 346-1526
Student Engagement	(914) 773-3767	(212) 346-1590
University Health Care	(914) 773-3760	(212) 346-1600