



## CSCI 141, Introduction to Computer Science I

2021 Spring

All Sections: 5039, 6899

### COURSE SYLLABUS

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Professor:	Joe Del Rocco
Office:	Elizabeth Hall 201-D (by Lee Chapel)
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E-Mail:	<a href="mailto:jdelrocco@stetson.edu">jdelrocco@stetson.edu</a>
About:	<a href="http://joe.delrocco.org/about">joe.delrocco.org/about</a>

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### Welcome!

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I'm so happy you've joined me for a semester in computer science and programming!

Try to think of a single job or industry that doesn't use software...

It's harder than you think! Almost all jobs use software, including manual labor jobs (websites, payroll systems, apps, point of sales, machine firmware, etc.) Every industry uses software at some point in their pipeline. And programmers just like you write that software. Learning how to program may not be the easiest thing to do, but it sure is rewarding, both literally, as a software developer, and as a complementary skill in your professional "bag of tricks." Need a website? These skills will definitely help. Want to justify a business decision with some numbers and pretty graphs? There's an API for that.

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### Course Catalog Description and Overview

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CSCI 141 (1 Unit)

An introduction to computer science and object oriented programming with Java. Offered every fall and spring semester. Prerequisite: CSCI 111 or permission of the instructor.

*An exploration into computer science and programming. We will learn fundamental programming concepts in Java. We will learn how to apply algorithms to solve computable problems. We will learn how to run and debug programs. Additionally, we will apply these concepts to a project of interest. There will be required readings, quizzes, programming assignments, and a final exam, all of which you will navigate with success if you study and apply yourself!*

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### Course Modality / Attendance

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This course is delivered in a [hybrid-flexible \(hyflex\)](#) format. I will be teaching on campus, but all lectures are recorded and uploaded to Blackboard for asynchronous viewing shortly after lecture. A live Zoom meeting will also be hosted during lecture. You are welcome to attend campus lectures, and/or attend the live Zoom meeting, and/or watch the recordings asynchronously. Attendance is highly recommend, but not required. On campus attendance may be taken for social distancing purposes only, and will not reflect on your grade.

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## Schedule

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	Monday	Tuesday	Wednesday	Thursday	Friday
Section 5039	Elizabeth Hall Room 308 9:20 - 10:10 AM		Elizabeth Hall Room 308 9:20 - 10:10 AM		Elizabeth Hall Room 308 9:20 - 10:10 AM
Section 6899	Elizabeth Hall Room 308 2:00 – 2:50 PM		Elizabeth Hall Room 308 2:00 – 2:50 PM		Elizabeth Hall Room 308 2:00 – 2:50 PM
Office Hours	In my office 1:00 – 2:00 PM 4:20 – 5:30 PM	Contact for appointment.	In my office 1:00 – 2:00 PM 4:20 – 5:30 PM	Contact for appointment.	In my office 1:00 – 2:00 PM 4:20 – 5:30 PM

On weekends, you can also email me and/or use our Discord server and I may be able to help.

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## Final Exam

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The final exam will take place during the required scheduled week, day, and time as provided by the [official school final exam schedule](#). This exam is required.

Section 5039: Tuesday, 5/4 2:00 – 4:00 PM EST  
Section 6899: Friday, 4/30 2:00 – 4:00 PM EST

The final exam will be given online through Blackboard. [LockDown Browser and Respondus Monitor](#) will be utilized. This requires you to have a webcam of some kind, either internal or external to your computer. If you cannot acquire the equipment, you can arrange with your professor to take the final exam on campus in a computer lab.

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## Assessment / Grades

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Types	% of Final Grade
Quizzes	15%
Assignments	40%
Term Project	20%
Final Exam	25%

[Stetson Letter Grade Scale and Interpretation](#)

### Grading Rubrics

A grading rubric will be provided with each assignment.

Percentage	Letter	GPA (out of 4.00)
93% - 100%	A	4.00
90% < 93%	A-	3.67
87% < 90%	B+	3.33
83% < 87%	B	3.00
80% < 83%	B-	2.67
77% < 80%	C+	2.33
73% < 77%	C	2.00
70% < 73%	C-	1.67
65% < 70%	D	1.00
0% < 65%	F	0.00

### Late Work Policy:

Turning your work in on time is important and fair to all students. A single letter grade will be deducted for late work by default, with further deductions increasing over time. Contact me if you have a special circumstance. Inform me 1 week in advance if you cannot meet our schedule for any reason, and we should be able to work out a resolution.

### Extra Credit Policy:

None prepared at the moment, but contact me if you'd like additional challenges.

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## Required and Support Materials

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### Required book:

Java Foundations: Introduction to Program Design and Data Structures (5<sup>th</sup> or 4<sup>th</sup> edition)

By John Lewis, Peter DePasquale, Joseph Chase

Print ISBNs: 9780135205976, 0135205972

eText ISBNs: 9780135206638, 0135206634

We will be using the following software this semester:

[GitHub](#)

[GitHub Desktop](#) (or any Git client you are already comfortable with)

A modern [Java JDK](#) (version 15, 14, 13, 12, or 11)

[IntelliJ IDEA Community Edition](#)

Additional FREE Online Support Materials:

[Java Tutorial](#), by w3schools.com

[Practice-It!](#), by University of Washington

More support materials are provided in a separate document uploaded to Blackboard.

Getting help:

- ~~Approach me before and/or after class (when time allows)~~ (see COVID update below)
- ~~Visit my office during office hours~~ (see COVID update below)
- Ask questions in class
- Email me directly and I will respond within a few days at most
- Take advantage of [Stetson Tutoring: computer science](#)
- Join our Stetson Computing Discord server for remote help. (invite link provided on Blackboard)
- Use [Stack Overflow](#), and search the Internet like crazy

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## Technology

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While a computer / laptop is required to program the assignments in this course, you are not required to use one during lecture. Additionally, if you do not have access to your own computer / laptop at home, Stetson has several computing labs available for you to use with all of the appropriate software installed.

You may use laptops, tablets, cellphones, etc. during lecture for taking notes and viewing lecture material. Coding along with me during lecture is not recommended, because all code written in class by me will be made available online. Please be considerate of your fellow classmates (and future colleagues). Please do not play games, browse social media, or read news during on-campus class time. It can be distracting to other students, and you have plenty of time to do that outside of class. If you are caught distracting other students, I may ask you to leave for the day. It is in your best interest (both professionally and financially) to pay attention during lecture.

For this course, all schedules, announcements, documents, lecture materials, live code, assignments, projects, quizzes, and exams will be hosted online through [Blackboard](#). All programming assignments will be submitted through [GitHub Classroom](#) (which you will setup in Assignment 0). Any synchronous online meetings with the entire class will take place through [Zoom](#). One-on-one virtual office hours may take place in your preferred software program (e.g. [Zoom](#), [Discord](#), [Microsoft Teams](#), [Google Hangout](#), etc.)

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## Course Objectives / Learning Outcomes

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By the end of this course, YOU will be able to...

1. Describe the difference between computer science and programming.
2. List common features of most programming languages.
3. Design and apply algorithms to solve some computational problems.
4. Implement programs in the Java programming language.
5. Implement mathematical formulas in code.
6. Debug programs that aren't working as expected.
7. Discuss the topic of programming openly with peers, in order to demonstrate your knowledge and understanding.
8. Apply the topics in this course to a personal project, by coding a program that helps you accomplish a non-trivial task.

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## Academic Integrity

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Stetson University expects its students to be actively involved in their education, and seeks students who expect a superior academic experience. In addition, the university seeks students of high integrity, who value honesty and wholeness of purpose in all endeavors. Academic dishonesty invalidates this experience in that it rejects the substance of the academy (that of learning and inquiry) and substitutes for it a superficial focus on externalities (e.g., passing the course, getting the diploma, etc.). Further, breaches of academic integrity rob both the individual and the institution and are antithetical to all that the university represents. For more information about this, please see [the Stetson Honor System](#).

As explained in orientation, if you are caught cheating, you may receive a penalty ranging from losing credit for a specific assessment to removal from the course with a grade of "F." While you are encouraged to study and work together in this course, all work submitted should be completed individually. Please keep in mind that assisting another student in cheating will be considered equally culpable and receive the identical punishment.

We have a responsibility for your education and the value of your degree; we therefore seek to prevent unethical behavior, and when necessary, respond to infringements of academic integrity. [We run MOSS](#). We can easily catch cheating in code and have done so many times before.

This is OK	This is ACADEMIC DISHONESTY
Studying together	Coding together (unless it is a group project)
Discussing how to solve a particular problem	Giving your solution to someone (or receiving one)
Explaining how you solved a problem	Showing someone your code (or seeing someone's)
"Whiteboarding" a solution together	Copying code verbatim
Searching online for similar solutions	Using code found online outright or piecemeal

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## Stetson Honor Pledge

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### The Honor System

As an institution of higher learning, Stetson University depends upon its members—students, faculty, staff, and administration—to uphold the highest standards of academic integrity. Without a commitment to this ideal, the foundation of our educational mission is undermined, and truth—the ultimate goal of our pursuits at the university—loses its meaning and force. The Honor System seeks to nourish a vital campus culture, one where students, faculty, administration, and staff are mutually committed to pursuing truth in a spirit of cooperation and respect. Laws and rules exist to protect a society and its members, but truly to flourish, a community relies upon the individual to take responsibility for his or her actions and to uphold certain bedrock principles. The Honor System specifies actions that are harmful to the community and establishes ways of dealing with those who violate basic standards. But the primary justification for the Honor System is that it challenges individuals to reflect upon the ethical issues they face as members of a university and encourages them to take positive steps to maintain the integrity of themselves and their community. Moreover, by affirming student self-governance in the form of an Honor Council, this Honor System underscores the central roles that both students and faculty play in upholding academic integrity. The Honor Pledge is a promise made by undergraduates to uphold high standards of integrity and honesty in their academic work. By enrolling in Stetson University, students commit themselves to abide by the principles and spirit of the Honor System.

### The Pledge:

As a member of Stetson University, I agree to uphold the highest standards of integrity in my academic work. I promise that I will neither give nor receive unauthorized aid of any kind on my tests, papers, and assignments. When using the ideas, thoughts, or words of another in my work, I will always provide clear acknowledgement of the individuals and sources on which I am relying. I will avoid using fraudulent, falsified, or fabricated evidence and/or material. I will refrain from resubmitting without authorization work for one class that was obtained from work previously submitted for academic credit in another class. I will not destroy, steal, or make inaccessible any academic resource material. By my actions and my example, I will strive to promote the ideals of honesty, responsibility, trust, fairness, and respect that are at the heart of Stetson's Honor System.

\* Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

\* Please sign and submit a copy along with your Assignment 0.

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## Accommodations

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Stetson University is committed to providing access and inclusion for all students. If you anticipate barriers related to the format or requirements of a course, you should meet with the course instructor to discuss ways to ensure full participation. If disability-related accommodations are necessary, you must register with [Academic Success](#) through the Accessibility Services Center located at 209 E. Bert Fish Dr. (386-822-7127) and notify the course instructor of your eligibility for reasonable accommodations. The student, course instructor and Academic Success will plan how best to coordinate accommodations.

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## Diversity & Campus Safety

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Stetson University has over 100 student groups, including [multicultural student associations](#). Please consider engaging in and/or joining one.

Stetson University considers the diversity of its students, faculty, and staff to be a strength and critical to its educational mission. They expect every member of the university community to contribute to an inclusive and respectful culture for all in its classrooms, work environments, and at campus events. Dimensions of diversity can include sex, race, age, national origin, ethnicity, gender identity and expression, intellectual and physical ability, sexual orientation, income, faith and non-faith perspectives, socio-economic class, political ideology, education, primary language, family status, military experience, cognitive style, and communication style. The individual intersection of these experiences and characteristics must be valued in our community. If there are aspects of the design, instruction, and/or experiences within this course that result in barriers to your inclusion or accurate assessment of achievement, please notify the instructor as soon as possible and/or contact Student Accessibility Services.

Emergencies on campus are rare, but if one should arise in our class, we will all need to work together. Everyone should be aware of the surroundings and be familiar with basic safety and security concepts. **In case of an emergency, dial 911 for assistance!** Don't hesitate. For more information on diversity and inclusion, safety guides, Title IX, etc., please see the comprehensive website of [Stetson Hatter Alert!](#)

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## Copyright Notices

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*Any recordings of this class (audio, video, or otherwise) may only be used for personal academic use. Recordings may not be shared with other people without written consent from the professor. The information contained in recordings constitutes intellectual property and is protected under federal copyright laws. This information may not be published or quoted without the expressed consent of the professor and without giving proper identification and credit to the professor. Recordings of this class may not be used in any way against the faculty member, other lecturer, or students whose classroom comments are recorded as part of the class.*

*All lecture slides are provided by [Cacti Council](#), and made available under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International license ([CC BY-NC-SA 4.0](#)). Cacti Council is a 501(c)(3) nonprofit founded by a group of educators whose main mission is to promote critical and creative thinking concepts in education through computer science and its related disciplines.*

*All code written and provided by me can be used however you wish.*

*Violation of these stipulations may be reported to the [Office of Community Standards](#).*

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## COVID-19 Notice

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Under normal circumstances I encourage you to approach me before and/or after class to discuss. However, due to the severity of the COVID-19, please be mindful of physical distancing if you do approach me before or after class. For your safety, my safety, and the safety of passers-by, I encourage you to make an appointment for formal office hours, either on campus in my office or virtually. You should also utilize our Stetson Computing Discord server (chat group) to get help from me and others.

Our community will be engaging in [contact tracing](#). Please see the [Safer Stetson website](#) for important information about the contact tracing app that you are required to use. We may take attendance during on campus lectures for this purpose. This will not affect your grade or participation in any way. It is merely a way to track a potential spread of the virus. If you attend on campus lectures regularly, please attempt to sit in the same seat every time. This will make contact tracing easier.

**DO NOT COME TO CLASS IF YOU HAVE SYMPTOMS OR HAVE BEEN IN CLOSE CONTACT WITH ANYONE WITH COVID-19 SYMPTOMS.** You do not need to confirm with me first. Given the hyflex nature of this course, you can always watch the recorded lectures at home. Contact [Stetson Health Services](#) if you believe you have COVID-19 symptoms or have come in contact with anyone else who has COVID-19 symptoms.

Please be mindful of physical distancing requirements for the safety of yourself and others:

- Do not come within 6 feet of your teacher before, during, or after class when asking for help.
- Do not come within 6 feet of anyone else.
- Do not stretch your arms and body over desks and tables that encroach upon a classmate's personal space.
- Do not touch anyone's personal property, including bags, books, computers, dropped writing utensils, etc.
- Always wear your mask and/or face shield.
- Avoid touching your face as much as possible.
- Take advantage of sanitation stations around campus, and wash hands and arms frequently.