Welcome to CSE 123!

Nathan Brunelle Spring 2024



- About us
- About this course
 - Learning objectives
 - Other similar courses
 - Course components
- Our learning model

- Tools and resources
 - Course Website
 - Ed
 - VS Code
- Assessment and grading
- Collaboration

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Hi, I'm Nathan! (he/him)

- Associate Teaching Professor
- New to UW as of Sept. 2024
- First time teaching 12X
- Interested in CS education/pedagogy
- Previously:
 - Taught at U. Virginia for 6 years
 - Took a cross-country road trip with my spouse and dog
 - Taught CSE 332 (autumn 2023, winter 2024)



Meet (most of) your 30 TAs!



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Learning Objectives

or, "What will I learn in this class?"

Seven themes:

- Computational Thinking
- Code Comprehension
- Code Writing

- Communication
- Testing
- Debugging
- Ethics/Impact

Prerequisite Knowledge

- Comfort with control structures
 - loops, conditionals, methods/functions
- Experience with using basic data structures
 - arrays, lists, sets, maps
- Experience with console and file input/output
- Exposure to simple object-oriented programming
 - classes, interfaces
- Programming experience in Java
 - Or willingness to pick up on your own

Other Similar Courses

Course	Good choice if
CSE 123	 You done a fair bit of programming, at least some of which is in Java AND You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming OR You're interested in creating software (whether as a hobby, side-gig, career, etc.)
CSE 122	 You've done some programming (roughly one course worth) in <i>any</i> programming language AND You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming
CSE 143	• You took CSE 142 at UW, at a community college, or through UW in the High School
CSE 163	 You're interested in data science and analysis OR You want to learn Python* OR You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful
CSE 154	You're interested in web development (HTML, CSS, JS)

See <u>Guided Self-Placement</u>, <u>Introductory Courses</u>, and <u>CSE 143/143X</u> for more info

Help Us Improve!

- CSE 123 is *very new!*
- We worked hard to build a course we think will be effective and supportive and help you succeed
- We probably didn't get it all right
- We appreciate your patience and understanding if we need to make adjustments during the quarter
- Please give us lots of feedback!
 - Post on Ed and/or use the Anonymous Feedback Tool





Course Components

Lessons (aka Lectures)

- WF, 10:30 or 2:30
- Held live on campus; recordings released after
- First introductions to course concepts
- Mix of presentation of content and practice activities/problems
- Required (but not graded) prework for most sessions

Sections

- TuTh, various times
- Led by TAs
- Held live in person; *not* recorded
 - Materials will be released online afterwards
- Additional review, discussion, and practice
- Mostly practice problems

Attendance is not taken, but you are responsible for all material (including announcements).

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Course Culture and Support

- Currently 600 students enrolled!
 - Wide range of backgrounds, interests, and goals
- Support and help each other!
 - Form study groups
 - If you have a question, others almost certainly do too
- Lots of ways to get support from us
 - Message board, IPL, section

Course Culture and Support

- Policies designed with flexibility in mind
 - Resubmissions, ignoring quiz problems, lecture recordings, etc.
- But life and the world still happen...
- **Please reach out ASAP** if you're struggling or have circumstances that require extra support



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Course Website

cs.uw.edu/123

- Primary source of course information (not Canvas)
- Calendar will contain links to (almost) all resources

CSE 123	Introduction to Computer Programming
Home / Calendar	Spring 2024
Syllabus	
Programming Assignments	Welcome to CSE 123: Introduction to Computer Programming III 🞉
Creative Projects	► What is this class? What will I learn?
Exam	
Staff	► Prior Experience and Expectations
Office Hours	
Grading Rubrics	Syllabus If you want to learn more about the course and its policies, please check out our course syllabus.
COVID-19 Safety	
Resources	Feedback Feedback is always welcome! You can contact the the course staff or submit anonymous feedback.



Course Website

Please review the syllabus ASAP.

CSE 123	Syllabus
Home / Calendar	
Syllabus	Course Information
Programming Assignments	Teeching Chaff
Creative Projects	Teaching Staff
Exam	
Staff	Instructor Email: brunelle@cs.washington.edu
Office Hours	Registration Questions: CSE Advisers (ugrad-adviser@cs.washington.edu)
Grading Rubrics	Course Staff and Support Hours: Course Staff and Office Hours
	▼ Who to contact?
COVID-19 Safety	
Resources	Here are some common types of questions and the best place to ask then get the fastest and most accurate response.
Course Tools 🗗	Registration questions? Email the CSE advisers as the course staff of have access to add codes.

	CSE 123
	Home / Calendar
1	Syllabus
	Programming Assignments
1	Creative Projects
	Exam
	Staff
	Office Hours
	Grading Rubrics
	COVID-19 Safety
	Resources

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Introduction to Computer Programming Spring 2024

Welcome to CSE 123: Introduction to Computer Programming III 🎉

► What is this class? What will I learn?

Prior Experience and Expectations

Syllabus If you want to learn more about the course and its policies, please check out our course syllabus.

Feedback Feedback is always welcome! You can contact the the course staff or submit anonymous feedback.



Lesson 0 - Spring 2024

Fd

- Our online learning platform
- Submit graded work
- Receive/View feedback
- Message board

PAUL G. ALLEN SCHOOL

OF COMPUTER SCIENCE & ENGINEERING

• Including announcements

CSE 123 - 2	4sp – Ed Discussion	
lew Thread	Q Search	
		Filter \sim
	Welcome to CSE123!	*
	General Nathan James Brunelle STAFF 19h	• 32
24sp	This Week	

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discuss interesting and relevant topics to CS!

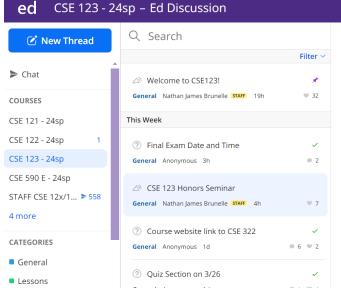
The Honors Seminar is a one-credit course, graded credit/no-credit, and will meet on Tuesdays from 3:30-4:50pm in Loew 111, with our first meeting on Tuesday, April 2. You must register and be able to attend in person to participate in the seminar.

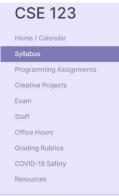
There are two different ways to register:

- Students in the UW Honors Program have priority registration for the course and can register directly using the UW Registration tool. If you are an Honors student and interested in the seminar, go ahead and register now!
- All other Students can apply for the seminar and may be admitted based on interest and available space. If you are not in the Honors program but would like to apply to be in the class, please fill out this form by Sunday, March 31, at **11:59pm.** I will notify students who are able to join the seminar by 10:00pm on Monday, April 1.

Please feel free to post in a follow-up comment here or a new private thread if you have any questions! Looking forward to seeing some of you in the seminar!

Comment Edit Delete ····





Course Tools C

Questions (2:30)

- Can we use break command?
- What kind of help is there for brushing up on java or other CSE122 content?
- Do resubmission replace the entire grade



Questions (10:30)

- Grade calculator?
- How do I determine my grade?
- Final hand written?
- Are all assignments submitted through Ed?
- Practice tests vs section question for course prep?
- IDE?



PO: Warmup/Review

Will be released today or tomorrow, on Ed.

Not the standard format for assignments going forward, intended to be a series of shorter review questions.

Due Wednesday (4/03)







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Assignments and Grading

- Our goal in the course is for you to gain proficiency the concepts and skills we teach
- We assess your proficiency by asking you to apply the concepts and skills on tasks or problems
- By necessity, we are assessing your *work* as a proxy for your proficiency



Assignments

- Your learning in this course will be assessed in four ways:
 - Programming Assignments (~biweekly, 4 total)
 - Structured programming assignments to assess your proficiency of programming concepts
 - Creative Projects (~biweekly, 4 total)
 - Smaller, more open-ended assignments to give you space to explore
 - Quizzes (3 total, in section)
 - Series of problems covering all material up to that point
 - Final Exam (Monday, June 3)
 - Final, culminating assessment of all your skills and knowledge

Resubmission and Quiz Problem Drops

Learning takes time, and doesn't always happen on the first try

- One previous Programming Assignment or Creative Project can be resubmitted each week
 - Must be accompanied by a write-up describing changes (via Google Form)
 - Grade on resubmission will replace original grade
 - Each assignment should only be resubmitted once
 - You may only submit assignments <4 weeks old
- We will drop your two lowest quiz problem grades
 - No special action required—we'll do this automatically
- See the <u>syllabus</u> for more details

Grading

Grades should reflect your proficiency in the course objectives

- All assignments will be graded E (Excellent), S (Satisfactory), or N (Not yet)
 - Under certain circumstances, a grade of U (Unassessable) may be assigned
 - In some cases, not all grades will be given
- Final grades will be assigned based on the amount of work at each level
- See the syllabus for more details



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Collaboration Policy

Learning is hard, but it's easier when you learn from each other

- You are encouraged to form study groups; work together on pre-class work, practice and review; and discuss your ideas and approaches
- All work you submit for grading must be predominantly and substantially your own
- Work that violates policy may be withdrawn within 72 hours
- See the syllabus for more details