

# Welcome to CSE 123!

Nathan Brunelle  
Spring 2024

# Agenda

- 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	<ul style="list-style-type: none"><li>• You done a fair bit of programming, at least some of which is in Java AND</li><li>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming OR</li><li>• You're interested in creating software (whether as a hobby, side-gig, career, etc.)</li></ul>
CSE 122	<ul style="list-style-type: none"><li>• You've done some programming (roughly one course worth) in <i>any</i> programming language AND</li><li>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</li></ul>
CSE 143	<ul style="list-style-type: none"><li>• You took CSE 142 at UW, at a community college, or through UW in the High School</li></ul>
CSE 163	<ul style="list-style-type: none"><li>• You're interested in data science and analysis OR</li><li>• You want to learn Python* OR</li><li>• You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful</li></ul>
CSE 154	<ul style="list-style-type: none"><li>• You're interested in web development (HTML, CSS, JS)</li></ul>

See [Guided Self-Placement](#), [Introductory Courses](#), and [CSE 143/143X](#) 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) pre-work 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](https://cs.uw.edu/123)

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

The screenshot displays the course website for CSE 123. On the left is a vertical navigation menu with the following items: Home / Calendar (highlighted), Syllabus, Programming Assignments, Creative Projects, Exam, Staff, Office Hours, Grading Rubrics, COVID-19 Safety, and Resources. The main content area on the right features the title 'Introduction to Computer Programming Spring 2024'. Below the title is a welcome message: 'Welcome to CSE 123: Introduction to Computer Programming III 🎉'. This message is followed by three expandable sections: 'What is this class? What will I learn?', 'Prior Experience and Expectations', and 'Syllabus'. The 'Syllabus' section is highlighted in green and contains the text: 'If you want to learn more about the course and its policies, please check out our [course syllabus](#).' Below this is a 'Feedback' section highlighted in light blue, which states: 'Feedback is always welcome! You can contact the the course staff or submit anonymous feedback.'

# Course Website

*Please review the syllabus ASAP.*

CSE 123

Home / Calendar

**Syllabus**

Programming Assignments

Creative Projects

Exam

Staff

Office Hours

Grading Rubrics

COVID-19 Safety

Resources

Course Tools ↗

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## Syllabus

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### Course Information

#### Teaching Staff

**Instructor:** Nathan Brunelle

**Instructor Email:** [brunelle@cs.washington.edu](mailto:brunelle@cs.washington.edu)

**Registration Questions:** CSE Advisers ([ugrad-adviser@cs.washington.edu](mailto:ugrad-adviser@cs.washington.edu))

**Course Staff and Support Hours:** [Course Staff and Office Hours](#)

▼ Who to contact?

Here are some common types of questions and the best place to ask them to get the fastest and most accurate response.

- **Registration questions?** Email the [CSE advisers](#) as the course staff do not have access to add codes.

CSE 123

Home / Calendar

**Syllabus**

Programming Assignments

Creative Projects

Exam

Staff

Office Hours

Grading Rubrics

COVID-19 Safety

Resources

## 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.

# Ed

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

CSE 123

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

Course Tools

EdStem

ed CSE 123 - 24sp - Ed Discussion

New Thread

Search

Filter

Chat

COURSES

- CSE 121 - 24sp
- CSE 122 - 24sp 1
- CSE 123 - 24sp**
- CSE 590 E - 24sp
- STAFF CSE 12x/1... 558
- 4 more

CATEGORIES

- General
- Lessons

Welcome to CSE123!

General Nathan James Brunelle STAFF 19h 32

This Week

- Final Exam Date and Time ✓ 2
- CSE 123 Honors Seminar** 7
- Course website link to CSE 322 ✓ 6 2
- Quiz Section on 3/26 ✓

also a great chance to get to know a smaller group of your peers in your class and 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 ...

# 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?

# P0: 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)



# Visual Studio Code Demo

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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 [syllabus](#) 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