

Welcome to CSE 123!

Brett Wortzman/David Kohlbrenner
Autumn 2023

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

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

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

- Associate Teaching Professor
- Frequent intro CS instructor
 - Lead designer/developer of new 12X curriculum
- Also interested in CS education/pedagogy
- Previously:
 - trained CS teachers
 - developed CS curriculum
 - taught high school CS
 - worked as a software engineer



Hi, I'm David (He/Him)!

- Assistant professor (research)
- Usually found teaching 484 (Security & Privacy)
- Excited to bring early course pedagogy to upper-div
 - and upper-div ideas to intro!
- Non-teaching:
 - Co-leads the Security and Privacy research lab
 - Founded a security company
 - Distrusts computers



Meet (most of) your 26 TAs!



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

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">You done a fair bit of programming, at least some of which is in Java ANDYou are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming ORYou're interested in creating software (whether as a hobby, side-gig, career, etc.)
CSE 122	<ul style="list-style-type: none">You've done some programming (roughly one course worth) in <i>any</i> programming language ANDYou are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming
CSE 143	<ul style="list-style-type: none">You took CSE 142 at UW, at a community college, or through UW in the High School
CSE 143X	<ul style="list-style-type: none">You've done a lot of programming, but not in Java
CSE 163*	<ul style="list-style-type: none">You're interested in data science and analysis ORYou want to learn Python* ORYou are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful
CSE 154	<ul style="list-style-type: none">You're interested in web development (HTML, CSS, JS)

**Next offered in 24wi*

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)

- MW, 12:30 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).

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



Digression: My Pandemic Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



Digression: My Pandemic Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



Digression: My Pandemic Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys



Course Culture and Support

- Currently 478 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, quiz problem drops, 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

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

Course Website

cs.uw.edu/123

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

The screenshot shows the CSE 123 course website. On the left is a navigation menu with the following items: Home / Calendar, Programming Assignments, Creative Projects, Staff, Office Hours, Syllabus, Grading Rubric, COVID-19 Safety, Resources, Course Tools (with an external link icon), EdStem, Anonymous Feedback, and Acknowledgements. The main content area features a yellow attention banner at the top stating: "Attention! This website is still under development. More information will be added soon and all content is subject to change." Below this is the course title "Introduction to Computer Programming III Spring 2023". A welcome message follows: "Welcome to CSE 123: Introduction to Computer Programming III 🍌". There are two expandable sections: "What is this class? What will I learn?" and "Prior Experience and Expectations". A link to the course syllabus is provided. A light blue feedback box says: "Feedback Feedback is always welcome! You can contact the the course staff or submit anonymous feedback." A yellow registration box states: "Registration Please do not email the course staff or instructors regarding registration for the course. The course staff do not have access to add codes. Please email ugrad-adviser@cs.washington.edu fr assistance." At the bottom of the main content area is the heading "Announcements".

Course Website

Please review the syllabus ASAP.

Attention! This website is still **under development**. More information will be added soon and all content is subject to change.

Syllabus

Course Information

Teaching Staff

Instructor: Brett Wortzman and David Kohlbrenner

Instructor Email: cse123-instructors@cs.washington.edu

Registration Questions: CSE Advisers (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.
- **Questions about course concepts?** Visit office hours in the Introductory Programming Lab (IPL), instructor office hours, or post on the [Ed Discussion board](#) (more info below)
- **Questions about assignments?** Visit office hours in the Introductory Programming Lab (IPL), instructor office hours, or post on the [Ed Discussion board](#) (more info below)
- **Questions about extenuating circumstances?** Post privately on the [Ed Discussion board](#) (more info below) or email Brett and David at cse123-instructors@cs.washington.edu

1) Course Information

2) Course Goals

2.1) Learning Objectives

3) Software and Textbooks

4) Class Sessions and Quiz Sections

4.1) Class Sessions

4.2) Quiz Sections

5) Inclusion

6) Required Course Work, Resubmissions, and Late Work

7) Getting Help from Staff & Peers

8) Course Climate

8.1) Extenuating Circumstances: "Don't Suffer in Silence"

8.2) Disabilities

8.3) Religious Accommodations

9) Grades

9.1) Grading Policy

CSE 123

[Home / Calendar](#)

[Syllabus](#)

[Programming Assignments](#)

[Creative Projects](#)

[Staff](#)

[Office Hours](#)

[Grading Rubrics](#)

[COVID-19 Safety](#)

[Resources](#)

[Course Tools](#) ↗

[EdStem](#)

[Anonymous Feedback](#)

[Acknowledgements](#)

Attention! This website is still **under development**. More information will be added soon and all content is subject to change.

Introduction to Computer Programming Autumn 2023

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](#).

Registration Please **do not** email the course staff or instructors regarding registration for the course. The course staff do not have access to add codes. Please email ugrad-adviser@cs.washington.edu for assistance.

Announcements

This Week (at a glance)

Monday (09/25)

- Nothing!

Tuesday (09/26)

- Nothing!

Wednesday (09/27)

- 🦊 Lesson 0: Welcome; Syllabus Details
Class sessions @ 10:50 in PAA A102.

Thursday (09/28)

Ed

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

CSE 123

Home / Calendar

- Programming Assignments
- Creative Projects
- Staff
- Office Hours
- Syllabus
- Grading Rubric
- COVID-19 Safety
- Resources

Course Tools [↗](#)

EdStem

Anonymous Feedback

ed CSE 123 - 23sp - Ed Discussion

New Thread

Search

Filter

Welcome to CSE 123! **Announcements** Brett Wortzman **INSTRUCTOR** 2d 11

This Week

Final Exam **Final Exam** Anonymous 1d 4 1

Welcome to Ed! **General** Brett Wortzman **INSTRUCTOR** 2d 2 1

22 others online

Select a thread

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 (10/04)



Visual Studio Code Demo



Defining Classes Review

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

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 (*tentatively* Tuesday, December 12)
 - Final, culminating assessment of all your skills and knowledge

Resubmission/Retakes

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
- 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

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 ←

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