Welcome to CSE 121!

Brett Wortzman/Elba Garza
Autumn 2022
Agenda

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

• Tools and resources
  • Course Website
  • Ed
• Hello, World!
• 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
• Hello, World!
• 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 Elba! (she/her)

• Newly minted Assistant Teaching Professor
• PhD in CS (Computer Architecture)
• Previously:
  • taught CSCE 121... at a different university!
  • TA’d multiple CS courses
Meet (most of) your 42 TAs!
Agenda

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

• Tools and resources
  • Course Website
  • Ed
• Hello, World!
• 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
Other Similar Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Good choice if...</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 121</td>
<td>• You’ve never programmed before AND</td>
</tr>
<tr>
<td></td>
<td>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</td>
</tr>
<tr>
<td>CSE 122</td>
<td>• You’ve done some programming (roughly one course worth) in <em>any</em> programming language AND</td>
</tr>
<tr>
<td></td>
<td>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</td>
</tr>
<tr>
<td>CSE 143</td>
<td>• You took CSE 142 at UW, at a community college, or through UW in the High School</td>
</tr>
<tr>
<td>CSE 160</td>
<td>• You’ve never programmed before AND</td>
</tr>
<tr>
<td></td>
<td>• You’re interested in data science and analysis OR</td>
</tr>
<tr>
<td></td>
<td>• You’d rather learn Python than Java* OR</td>
</tr>
<tr>
<td></td>
<td>• You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful</td>
</tr>
</tbody>
</table>

*Other courses of interest: CSE 154, CSE 123 (23wi), CSE 163 (23wi)*

See [Guided Self-Placement](#) and [Introductory Courses](#) for more info
Help Us Improve!

• CSE 121 is *brand 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, 11:30 or 2:30
- Held live in KNE; recordings released after
- First introductions to course concepts
- Mix of presentation of content and practice activities/problems
- 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
• Hello, World!
• 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 841 students enrolled!
  • Wide range of backgrounds, interests, and goals
  • *Everyone* is new to programming

• 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/Retakes, lecture recordings

• 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
• Hello, World!
• Assessment and grading
• Collaboration
Course Website

**cs.uw.edu/121**

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

Please review the syllabus ASAP.

Syllabus

Course Information
Teaching Staff
Instructors: Brie Hartman and Elke Derwa
Instructor Email: cse121-instructor@cs.washington.edu
Registration Questions: CSE Advisers (grad-advisee@cs.washington.edu)
Course Staff and Support Hours: Course Staff and Support Hours

Class Meetings
See Class Sessions for information on how each day of class will be run.
• WF 11:30 am - 12:20 pm (HNE 130)
• WF 2:30 pm - 3:20 pm (HNE 129)

Other Info
• Course Website: Website: [https://courses.cs.washington.edu/courses/cse121/22fa](https://courses.cs.washington.edu/courses/cse121/22fa)
• Textbook (Optional, Not Required): Building Java Programs: A Back to Basics Approach (Pepper/Hoag)
• Feedback: You can submit anonymous feedback for the class here.

CSE 121

Welcome to CSE 121: Introduction to Computer Programming I
Autumn 2022

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

Introduction to Computer Programming I

Welcome to CSE 121: Introduction to Computer Programming I!

What is this class? What will I learn?

Prior Experience and Expectations

Feedback

Registration

Announcements

Calendar

Info: This is a rough sketch of the quarter and things are subject to change. We can accurately predict the past, but predicting the future is hard!
Ed

• Our online learning platform
• Lessons, sections, assignments posted
  • Linked from calendar
• Submit graded work
• Receive/View feedback
• Message board
  • Including announcements
👋️🌎
Hello, World!
Agenda

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

• Tools and resources
  • Course Website
  • Ed
• Hello, World!
• 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 (4 total, in section)
    • Series of problems covering all material up to that point
  • Final Exam (Wednesday, December 14)
    • 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
  - Grade on resubmission will replace original grade
  - Each assignment should only be resubmitted once
- Each Quiz can be retaken once
  - Retakes scheduled at certain times—details forthcoming

- 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
• Hello, World!
• 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.