Welcome to CSE 121!

Use this QR code as one way to ask questions!

sli.do #cse121
Agenda (1/3)

• About us
• About our class
  • What is this course?
  • Our learning model
  • Getting help
  • Syllabus questions
• Writing our first java program!
Agenda (1/3)

• About us

• About our class
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• Writing our first Java program!
Hi, I’m Simon! (he/they)

• Just recently graduated (BS) from UW last quarter!
  • double-majored in CS and AES
  • TA’d for 7 quarters (5 were intro!)
• Grew up in the Seattle area
• Computer science interests: CS education, systems programming
• non-CS interests: kpop, video games, aquariums
How did Simon discover CS?

**SPRING 2021**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AES</td>
<td>380</td>
<td>RACE&amp;USA PUBLIC POL</td>
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<tr>
<td>AES</td>
<td>462</td>
<td>COMPAR RACE RELATNS</td>
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<tr>
<td>CSE</td>
<td>142</td>
<td>COMPUTER PRGRMNG I</td>
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<tr>
<td>HONORS</td>
<td>232</td>
<td>WH-HONORS SOC SCI 3</td>
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Incomplete - An Incomplete is given only when the student has been in attendance and has done satisfactory work until within two weeks of the end of the quarter and has furnished proof satisfactory to the instructor that the work cannot be completed because of illness or other circumstances beyond the student's control. A written statement of the reason for the giving of the Incomplete, listing the work which the student will need to do to remove it, must be filed by the instructor with the head of the department or the dean of the college in which the course is given.
Meet your amazing TAs!
Agenda (2/3)

- About us
- About this course
  - What is this course?
  - Other learning model
  - Getting help
  - Syllabus questions
- Writing our first Java program!
Learning Objectives

or, “What will I learn in this class?”

• Computational Thinking
• Code Comprehension
• Code Writing
• Communication
• Testing
• Debugging
• Ethics & Societal Impact
### Other Similar Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Good choice if...</th>
</tr>
</thead>
</table>
| CSE 121 | • You’ve never programmed before AND  
          • You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming |
| CSE 122 | • You’ve done some programming (roughly one course worth) in any programming language AND  
          • You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming |
| CSE 123 | • You’ve taken CSE 122 AND  
          • You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming |
| CSE 160 | • You’ve never programmed before AND  
          • You’re interested in data science and analysis OR  
          • You’d rather learn Python than Java* OR  
          • You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful |

*Other courses of interest: CSE 154, CSE 163

See [Guided Self-Placement](#) and [Introductory Courses](#) for more info
How Learning Works

Learning requires **active participation** in the process.

It’s not as simple as sitting and listening to someone talk at you!

- Requires **deliberate practice** in **learning by doing**
- Benefits from **collaborative learning**
- **Does not work well if you cram everything!**
Pre-Class Materials (1/3)

Core element of course: **pre-class material**

- prepare for each lecture with readings & practice problems
- should take ~30 minutes per lecture (why we don’t have Monday lectures!)
- class will start with a brief recap, then pick off where we left off
Pre-Class Materials (2/3)

Core element of course: pre-class material

• prepare for each lecture with readings & practice problems
• should take ~30 minutes per lecture (why we don’t have Monday lectures!)
• class will start with a brief recap, then pick off where we left off

Which means...

• we can spend lecture diving deeper, answering questions, and think-pair-share
• you can ask about pre-lecture material in class or quiz section!
Pre-Class Materials (3/3)

Core element of course: **pre-class material**

- prepare for each lecture with readings & practice problems
- should take ~30 minutes per lecture (why we don’t have Monday lectures!)
- class will start with a brief recap, then pick off where we left off

Which means…

- we can spend lecture diving deeper, answering questions, and think-pair-share
- you can ask about pre-lecture material in class or quiz section!

Pre-class materials are ungraded, which means…

- it’s okay if you find them challenging – that means you’re learning!
- but, you should do them, and we will assume you’ve done them
Consistent and Active Participation (1/2)

Attendance is not graded. But, it’s strongly encouraged!

• lectures & sections are **not** going to be just us talking at you!

• ex: live in-class coding, debugging, think-pair-share, and problem-solving

• spreading out ~ 1-2 hours each day over Tuesday – Friday is **much more effective** than cramming before the assignment is due!
Consistent and Active Participation (2/2)

Attendance is not graded. But, it’s strongly encouraged!

- lectures & sections are **not** going to be just us talking at you!
- ex: live in-class coding, debugging, think-pair-share, and problem-solving
- spreading out ~ 1-2 hours each day over Tuesday – Friday is much more effective than cramming before the assignment is due!

Catching up:

- all lectures are recorded on Panopto; slides are on our website.
- section materials are on Ed, but section will not be recorded.
CS is hard!

Computer Science Prerequisites

The Computer Science major is offered through the College of Arts & Sciences. Students applying to this major must complete the following requirements prior to the application deadline:

- Math 124, 125 & 126 (or Honors Math 134, 135, & 136)
- Five credits of science coursework.
- Five credits of English composition coursework.
- CSE 121, 122 & 123* OR CSE 142 & 143*

*While CSE 121 & CSE 142 remain admissions prerequisites, we do not consider them when evaluating grades in pre-requisite courses for current UW students. Additionally, if a student completes CSE 123 or 143 without taking the preceding courses in the series, that is also acceptable for the admissions process.
Course Culture and Support: Live Support

Introductory Programming Lab (TA Office Hours – starting next week!)
- #1 place to get help (and highly rated in the class!)
- face-to-face help from TAs on any course questions – not just assignments

TA Section
- Work through practice problems (this is how you learn!)
- Get to know your TAs & peers!

Instructor Office Hours (in-person)
- I don’t byte (most of the time)
- Great for things from lecture, personal questions, or just to say hi!
Course Culture and Support: Ed & Email

Ed Board
• Best for content and logistics questions – ~60 of you >> 7 of us!!
• Feel free to make them public or private (and/or anonymous)
• Answer other students’ questions – great way to learn!

Email
• Best for personal circumstances and/or private questions
• If unsure, always feel free to email Simon (at simonswu@uw.edu)
• May politely ask you to post on Ed instead!
The World Around CSE 121 & Reaching Out

Our goal is to give you a great CSE 121 experience!

But CSE 121 does not exist in a vacuum – there’s a lot going on in the world right now that can impact your education.

We’ve designed course policies for maximum flexibility: resubmissions, dropping quiz/exam problems, asynchronous help & lecture recordings.

**Please reach out ASAP** if you’re struggling or have circumstances that require extra support. We’re happy to help – we just need to know!
Course Website

**cs.uw.edu/121**

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

Please review the syllabus ASAP.
Ed

- Our online learning platform
- Lessons, sections, quizzes all here
- Intro and walkthrough in Section 0
Help us improve!

CSE 121 is super new! We’ve worked hard to build a course that we think will be effective, supportive, and help you succeed.

But... 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
- Mid and end-of-quarter feedback
- Use CSE Anonymous Feedback Tool
Agenda (3/3)

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Escape Sequences

*escape sequence*: A special sequence of characters used to represent certain special characters in a string.

- \" to produce " in a String
- \ \ to produce \ in a String
- \n to produce a new line character (or line break) in a String
- And there are more!
Poll in with your answer!

How many lines of output would the following code produce?

```java
System.out.println("hello");
System.out.print("hi");
System.out.print("yo");
System.out.println("greetings");
System.out.print("sup");
System.out.println("hey");
```

a) 0 (error!)  b) 1  c) 2  d) 3  e) 5  f) 6
Homework for Next Time

Your first assignment (C0: Hello Bugs) is released!

Due next Wednesday at 11:59 pm

Start early and ask questions!