Syllabus for CS161 – Introduction to Computer Science
Fall 2020

1 Course Description

Welcome to CS 161, “Introduction to Computer Science”. This course has four primary goals:

1. To provide students with an introduction to the basics of computer programming
2. To introduce students to good programming practices – e.g., readability, encapsulation, security, efficiency, and good object-oriented design
3. To develop students’ problem-solving and logical-thinking skills
4. To familiarize students with the types of problems studied in computer science

The Java programming language will serve as a vehicle for us to achieve these goals. At the end of this course, students should be able to write a medium-sized computer program (e.g. 3-5 interacting classes), to systematically track down and identify errors, and to appreciate the intricacy of the growing web of computer networks, applications, and systems that our society is becoming increasingly dependent upon.

Development Environment: BuleJ

Get start with download BlueJ tonight!
https://www.bluej.org/

2 Administrative Details

Instructor: Xi Chen (xichen@pugetsound.edu, office: Thompson Hall 600)

Required Textbooks:
Lewis and Loftus. Java Software Solutions. 8th Edition or higer.

Course webpage: http://mathcs.pugetsound.edu/~xichen/cs161f20.html

Office Hours: WF 3:45 - 5:00 pm, Zoom
If you cannot make any of the above times, you can contact me for a more convenient appointment.

**Course Time and Place:** MWF 2:30 – 3:20 pm, Online Mode, Zoom

**Lab Time and Place:** Thursday 3 – 4:50 pm, Online Mode, Zoom

**Zoom:** You can join Zoom via one of these options:

1. Click [https://pugetsound-edu.zoom.us/j/98971853217?pwd=Zzl6bVg2OFliVGxraG8rTmhQTmlXUT09](https://pugetsound-edu.zoom.us/j/98971853217?pwd=Zzl6bVg2OFliVGxraG8rTmhQTmlXUT09) to join.

2. Copy and paste this address to a web browser: [https://pugetsound-edu.zoom.us/j/98971853217?pwd=Zzl6bVg2OFliVGxraG8rTmhQTmlXUT09](https://pugetsound-edu.zoom.us/j/98971853217?pwd=Zzl6bVg2OFliVGxraG8rTmhQTmlXUT09)

3. Use Meeting ID: 989 7185 3217 and Passcode: 020858 to join the meeting through an App.

**Slack** We will use Slack for discussing and QA: click [https://join.slack.com/t/cs161dfall20ups/shared_invite/zt-go0lgrqv-aCpBiiT2Ete4B05eIYjzxQ](https://join.slack.com/t/cs161dfall20ups/shared_invite/zt-go0lgrqv-aCpBiiT2Ete4B05eIYjzxQ) to join

### 3 Course Breakdown

**Grading:** Grades in the course are based on four components:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>Weekly Homework Assignments</td>
</tr>
<tr>
<td>15%</td>
<td>Weekly Lab Assignments</td>
</tr>
<tr>
<td>20%</td>
<td>Midterm Exams (2)</td>
</tr>
<tr>
<td>15%</td>
<td>Final exam</td>
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</tbody>
</table>

Your letter grade will be based on the following scale:

**Weekly Lab and Homework Assignments:**

All lab (except the first) are pair programming assignments. I will assign everyone a partner at the beginning of each lab. Lab assignments will be turned in by 11:59 pm the Friday after the Lab. All homework assignments are solo work. Homework assignments are due on 11:59 pm listed on the assignments and you will typically have 1 week to complete them.

**Tests:** There will be two take-home midterm exams. The first exam is tentatively scheduled for the 6th week of the semester and the second exam is tentatively scheduled for the 11th week of the semester (these dates are subject to change).
The final exam day and time can be found on myPugetSound. Details will be given closer to the exam dates.

Exams are open-textbook (only the assigned textbooks from CS 161 course) and notes, but you may not consult other books, the Internet, or people other than your instructor.

### 4 Course Policies and Conduct

#### Assignments Policy

Late homework/lab assignments are penalized by $5 \times n\%$ where $n$ is the number of days the assignment is submitted late. No late work will be accepted one week after the due day.

The only extensions\(^1\) given are for unexpected medical or family emergencies.

#### Office Hours

Office hours are your chance to ask me questions related to the course. Unless I send an email or make an announcement in class, you can assume I will always be available during the office hours listed above – no need to ask. Please prepare before coming to office hours. This means you should come with a specific question or idea that you want to ask about.

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\(^1\)An extension is when a student is allowed to turn in an assignment after the due date with no penalty
5 Academic Accommodations

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Peggy Perno, Director of the Office of Accessibility and Accommodations, 105 Howarth, 253.879.3395. She will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

6 Classroom Emergency Response Guidance

Please review university emergency preparedness, response procedures and a training video posted at www.pugetsound.edu/emergency/. There is a link on the university home page. Familiarize yourself with hall exit doors and the designated gathering area for your class and laboratory buildings.

If building evacuation becomes necessary (e.g. earthquake), meet your instructor at the designated gathering area so she/he can account for your presence. Then wait for further instructions. Do not return to the building or classroom until advised by a university emergency response representative.

If confronted by an act of violence, be prepared to make quick decisions to protect your safety. Flee the area by running away from the source of danger if you can safely do so. If this is not possible, shelter in place by securing classroom or lab doors and windows, closing blinds, and turning off room lights. Lie on the floor out of sight and away from windows and doors. Place cell phones or pagers on vibrate so that you can receive messages quietly. Wait for further instructions.

7 Copyright and Fair Use

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