CS 161: Introduction to Computer Science
Course Syllabus – Spring 2017

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Meeting Times: MWF 11:00-11:50 in TH 409 & Thurs 13:00-14:50 in TH 409
Course Page: http://cs.pugetsound.edu/~dchiu/cs161
Slack: http://univpugetsound.slack.com (signup with your pugetsound.edu address)
Moodle: http://moodle.pugetsound.edu

1 Course Information

This course is an introduction to computer science and programming. The programming language Java is used to illustrate concepts in computer science. The course emphasizes the use of the computer as a problem-solving tool and the development of good programming style. CS 161 is the introductory course for students planning to major or minor in computer science. A weekly laboratory is required.

Prerequisites

Three years of high-school mathematics, MATH 110 Pre-Calculus, or equivalent. Students with transfer credit for CSCI 161 may not take this course.

Textbook

- David Barnes and Michael Kölling. Objects First with Java: A Practical Introduction Using BlueJ. 5th edition or above. (Required)

Course Topics

- Object-oriented programming
- Arithmetic manipulation
- Conditional logic
- Loops and recursion
- Methods
- Basic data structures
- Input/output: file and user interaction
- Elementary complexity analysis
- Defensive programming techniques
2 Grading

The following grade cutoffs are upper bounds - they might come down, but will not be set higher: A = 95, A- = 90, B+ = 87, B = 83, B- = 80, C+ = 77, C = 73, C- = 70, D+ = 67, D = 64, D- = 60, F = < 60. Your overall grade will be composed as follows:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discretionary</td>
<td>5</td>
</tr>
<tr>
<td>Lab Assignments</td>
<td>15</td>
</tr>
<tr>
<td>Programming Assignments</td>
<td>40</td>
</tr>
<tr>
<td>Midterm I</td>
<td>10</td>
</tr>
<tr>
<td>Midterm II</td>
<td>13</td>
</tr>
<tr>
<td>Final Exam</td>
<td>17</td>
</tr>
</tbody>
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Table 1: Breakdown of Grades

Assignments

- **Lab Assignments (Paired)** – You will pair up with another student and switch roles throughout the lab. Lab assignments are downloadable from the class page and are always due the Friday after lab at 23:59, unless stated otherwise. Labs are graded on a 10/5/0 point scale. 10 = complete, 5 = some effort made, 0 = minimal effort or no attendance.

- **Homework Assignments (Work Alone!)** – You will work alone on all homework assignments. Collaboration among students is encouraged for problem interpretation, brainstorming, etc., but in general, I expect every student to submit their own work. **Do not help write or share each other’s programs!** Code duplications are extremely easy to for us to catch, and the penalty for cheating is harsh: automatic course failure and a permanent report on your transcript.

- **Late Work** – For each day either a homework or project assignment is late (includes weekends), a 10% deduction will be assessed, and no late work will be accepted one week after the due date.

Exams

There will be two midterms and a final exam — all cumulative. They will cover material discussed in lectures, labs, and assignments. You are allowed a calculator and a half page of notes (front and back) on all exams.

Discretionary

Discretionary points will be given based on:

- Lecture and lab attendance
- Classroom participation
- Timeliness
- Refraining from activities that can disrupt others, e.g., texting, playing games on your laptop, etc.
3 Course Policies

Class Disruptions

I understand the student’s need to have their phone on them to answer the occasional important call. I do ask that you please have your phones on vibrate and take the call outside the classroom out of respect for your fellow students. For each disruption-free period, I will reward you with bonus problems on the exams.

Academic Integrity

You should be aware of the Student Integrity Code at the university. Any suspected cheating (e.g., plagiarizing code, copying homework solutions, etc.) will be reported to the Registrar, which may result in possible suspension/expulsion. See this link for more info: http://www.pugetsound.edu/student-life/personal-safety/student-handbook/academic-handbook/academic-integrity

Student Accessibility and Accommodation

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 Accommodation, 105 Howarth, 253.879.3395. She will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Classroom Emergency Response Guidance

Please review university emergency preparedness and response procedures posted at . 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.

Student Bereavement Policy

The University of Puget Sound recognizes that a time of bereavement can be difficult for a student. Therefore, the university provides a Student Bereavement Policy for students facing the loss of a family member. Students are normally eligible for, and faculty members are expected to grant, three consecutive weekdays of excused absences, without penalty, for the death of a family member, including parent, grandparent, sibling, or persons living in the same household. Should the student feel that additional days are necessary, the student must request additional bereavement leave from the Dean of Students or the Dean’s designee. In the event of the death of another family member or friend not explicitly included within this policy, a bereaved student may petition for grief absence through the Dean of Students office for approval.