CMPS 10
Introduction to Computer Science
Spring 2014

This course is an overview of the theory, foundations, and practice of Computer Science with an emphasis on what computers can and cannot do, now and in the future. Topics include algorithms and data, correctness and efficiency of algorithms, hardware, programming languages, limitations of computation, applications, and social issues. No programming skills are required as a prerequisite. Major concepts and open problems in Computer Science are presented without reliance on sophisticated mathematical tools.

Time and Place: MWF 2:00-3:10  Kresge 321
Class Webpage: http://ic.ucsc.edu/~ptantalo/cmps010/Spring14/
Piazza forum: https://piazza.com/ucsc/spring2014/cmps10/home

Instructor: Patrick Tantal (http://www.soe.ucsc.edu/~ptantalo/)
Email: ptantalo@soe.ucsc.edu
Office: E2 257
Office Hours: Tuesday & Thursday 11:00-2:00, or by appointment
Phone: 831-459-3898

Teaching Assistants:
Elahe Rahimtoroghi (elahe@soe.ucsc.edu)
Amita Misra (amisra2@ucsc.edu)

Course Tutor: TBA

Secondary Labs: The purpose of the secondary lab sections is for the TAs to provide help with homework, quiz preparation, and lab assignments, as well as to provide facilities for you to work on the Lab Assignments. Attendance at the secondary labs is entirely optional. The lab times posted in the schedule of classes will be subject to some modification. An official schedule of lab sections will be posted on the class webpage. Please refer to that posting when you are looking for a lab to attend, not to the schedule of classes website.

Recommended Text:

Lab Assignments: There will be 8 to 10 lab/homework assignments based on Light Bot, Processing, and perhaps other online tools (to be described later.) These assignments will be due at various times throughout the quarter and will be submitted via eCommons. Assignments will not be accepted via email for any reason.

Quizzes: Will be given in class starting Wednesday April 9 and every two weeks thereafter. Quizzes will be held during the last 20 minutes of the class period. A complete listing of all quiz dates, and solutions will be found on the class website.
Final Exam: Will be held on Monday, June 9 from 4:00 to 7:00 pm.
Evaluation: Coursework will be weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Lab Assignments</td>
<td>30%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>40%</td>
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The grading scale for the class will be approximately: A+: 97%-100%, A: 93%-96%, A-: 90%-92%, B+: 87%-89%, B: 83%-86%, B-: 80%-82%, C+: 76%-79%, C: 70%-75%, D: 60%-69%, F: 0%-59%

Letter grade boundaries may be lowered at my discretion in order to eliminate some borderline cases.

**Accommodations for Students with Disabilities**

If you qualify for classroom accommodations because of a disability, please get an Accommodation Authorization from the Disability Resource Center (DRC) and submit it to me in person outside of class (i.e. during office hours) within the first two weeks of the quarter. Contact DRC at 459-2089 (voice), 459-4806 (TTY), or http://drc.ucsc.edu for more information on the requirements and/or process.

**Academic Honesty:**

The Baskin School of Engineering has a zero tolerance policy for any incident of academic dishonesty. If cheating occurs, consequences may range from getting zero on a particular assignment to failing the course. In addition every case of academic dishonesty is referred to the students’ college Provost, who sets in motion an official disciplinary process. Cheating in any part of the course may lead to failing the course, suspension or dismissal from the Baskin School of Engineering, or from UCSC.

What is cheating? In short, it is presenting someone else’s work as your own. Examples would include copying another student’s programming assignment, or allowing your own work to be copied. You may discuss assignments with fellow students but your collaboration must be at the level of ideas only. You may freely give and receive help with the computer facilities, the Processing environment, and other programming tools used in this class, but you may not *copy, paste, email, transfer* or in any way share program *source code*. Please go to http://www.ucsc.edu/academics/academic_integrity/ to see the full text of the University’s policy on Academic Integrity.