Introduction to Engineering Computing
CSCI 1300 Fall 2013
Instructor: Dr. Rhonda Hoenigman
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Office Hours: A full office-hour schedule will be posted the first week of class.

TAs:
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Lectures: Mon, Wed, Fri 1-1:50pm in MUEN E050

Texts:
Our text for this course is one package with the following contents:
1. Punch: Practice of Computing Using Python, Student Value Edition (loose leaf)
2. Sedgewick: Introduction to Programming in Java: An Interdisciplinary Approach
3. MyProgrammingLab access code
ISBN: 0133585174

Other Materials:
It is highly recommended that you get a Dropbox account, or invest in a USB memory stick, to save files created in the virtual machine environment. This environment is not backed up, and if it crashes, you will lose all of your work.

A variety of materials will be available in electronic form on the D2L site for the course.

Course Outline:
We will be covering the basics of computer programming using primarily two languages: Python and Java. We will also touch on C++ briefly at the end of the semester in preparation for the next computer science course in the sequence. Our focus will be on computer language syntax, i.e. the correct way to write code in the language and have it execute, as well as algorithm development, which is how to decompose a problem into a series of steps that can then be translated into a syntactically correct computer program.

Topic	Approximate No. of Lectures
Introduction	1
Python	18

Java	18
C++	6

Grading Policy:
Homework 30%
Projects 10%
Quizzes 5%
Recitation exercises 5%
Exams (two midterms and a final, equally weighted) 50%

Note: You must receive at least a 50% on all exams to pass this course, regardless of your homework and project grades.

Other Information:
1. Late homework is not accepted in CSCI 1300 except in the case of documented personal, family, or medical emergency. Once the deadline has passed, your homework is late and cannot be turned in. If you know you will be missing a weekly recitation, go to a recitation with the same TA being held at a different time. If you miss recitation due to unplanned events, such as illness, you have 48 hours to make up missed work. If you consistently miss recitation and submit recitation work late, I will stop accepting late work and you will receive a zero for missed recitation exercises.
2. Written work must be neat and readable, with adequate spacing and margins. Your name, the date, and your section number must be at the top right of the first page. Code files should have your name, date, and homework number included as comments at the top of the file.
3. Attendance at all class meetings and recitations is highly recommended. You are responsible for knowing the material presented during class and recitation, even if you were not in attendance when the material was presented.
4. Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments, or required attendance. You can find the details at www.colorado.edu/policies. You must notify me of any such conflicts by the end of the first week of classes so we can work out alternatives.
4. A limited amount of printing may be required in this class. You need to ensure that your printing account has sufficient funds for this. Your initial allocation may deplete quickly, depending on your other printing activities. If this causes problems, please come see me.
5. If you qualify for accommodations because of a disability, please submit a letter to me from Disability Services by the end of the second week of classes so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact info: www.colorado.edu/disabilityservices, 303-492-8671, Willard 322. That office also maintains guidelines about temporary medical conditions or injuries.
6. In Class Expectations: It is my expectation that each of you will be respectful to your fellow classmates and instructors at all times. In order to create a professional atmosphere within the classroom, you are expected to:
*   Arrive to class on time
*   Turn off your cell phone (talk and text).
*   Bring your laptop to class if you have one to follow along and participate in classroom activities. Please restrict laptop use to these activities only, no email, Facebook, Youtube, etc.

*   Put away newspapers and magazines
*   Refrain from having disruptive conversations during class
*   Remain for the whole class; if you must leave early, do so without
        disrupting others
*   Display professional courtesy and respect in all interactions related to
        this class

Compliance with these expectations will assist all of us in creating a learning
community and a high quality educational experience. The University of Colorado
Classroom behavior policy compliments these classroom expectations:
University of Colorado Classroom Behavior Policy:
Students and faculty each have responsibility for maintaining an appropriate
learning environment. Those who fail to adhere to such behavioral standards may
be subject to discipline. Professional courtesy and sensitivity are especially
important with respect to individuals and topics dealing with differences of
race, culture, religion, politics, sexual orientation, gender, gender variance,
and nationalities. Class rosters are provided to the instructor with the
student's legal name. I will gladly honor your request to address you by an
alternate name or gender pronoun. Please advise me of this preference early in
the semester so that I may make appropriate changes to my records. See policies
at www.colorado.edu/policies/classbehavior.html or
www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code
7. Out of Class Expectations: Though many of the above stated policies address
academic climate within the classroom, these policies should also be upheld
outside of the classroom. As a member of the CU community you are expected to
consistently demonstrate integrity and honor through your everyday actions.
Faculty, TAs, and staff members are very willing to assist with your academic
and personal needs. However, multiple professional obligations make it necessary
for us to schedule our availability. Suggestions specific to interactions with
faculty and staff include:
*   Respect posted office hours. Plan your weekly schedule to align with
scheduled office hours.
*   Avoid disrupting ongoing meetings within faculty and staff offices. Please
wait until the meeting concludes before seeking assistance. Respect faculty and
staff policies regarding use of email and note that staff and faculty are not
expected to respond to email outside of business hours. Send email messages to
faculty and staff using a professional format. Tips for a professional email
include:
*   Always fill in the subject line with a topic that indicates the reason for
        your email to your reader.
*   Respectfully address the individual to whom you are sending the email
        (e.g., Dear Professor Smith).
*   Avoid email or text message abbreviations.
*   Be brief and polite.
*   Add a signature block with appropriate contact information.
*   Reply to email messages with the previously sent message. This will allow
        your reader to quickly recall the questions and previous conversation.
8. The University of Colorado at Boulder policy on Discrimination and
Harassment, which can be found at www.colorado.edu/policies/discrimination.html,
and the University of Colorado policy on Sexual Harassment and the University of
Colorado policy on Amorous Relationships apply to all students, staff and
faculty. Any student, staff or faculty member who believes she or he has been
the subject of discrimination or harassment based upon race, color, national
origin, sex, age, disability, religion, sexual orientation, or veteran status
should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127

or the Office of Judicial Affairs at 303-492-5550. Information about the ODH and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at www.colorado.edu/odh

9. IMPORTANT!!! All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include cheating, plagiarism, academic dishonesty, fabrication, lying, bribery, and threatening behavior. Plagiarism includes using material from outside sources (e.g., the web) without clear identification and citation. Collaboration on the homework assignments is allowed, but you must write your own code yourself, rather than sharing a file, and give credit to the people you work with. Your collaborators may be asked to evaluate your contribution. Asking another student for a helpful suggestion, or giving such a suggestion, does not constitute academic dishonesty; however, using another student's work, allowing another student to use your work, or copying code off the internet will be considered a violation of the honor code. Please don't do it. We use software tools to make sure that no one turns in copied work for CSCI 1300. Since it is generally impossible to tell who copied from whom, the course policy is that everyone involved is responsible when two or more people submit code that is effectively identical. Leaving your code in a publically accessible place (on portable storage media, or the hard drive of a lab computer, for instance) is an honor code violation in CSCI 1300.

Any discovered incidents of academic dishonesty will lead to an automatic academic sanction in the course and a report to both the College of Engineering and Applied Science and the Honor Code Council. Students who are found to be in violation of the academic integrity policy can be subject to non-academic sanctions as well, including but not limited to university probation, suspension, or expulsion.

Other information on the Honor Code can be found at www.colorado.edu/policies/honor.html and www.colorado.edu/academics/honorcode. Academic honesty boundaries are hard to define crisply, and they differ from class to class. If you are in any doubt about where they lie for this class, please ask me.

10. GRADES follow the standard percentage breakdown for the College of Engineering:

93%-100%	A
90%-93%	A-
87%-90%	B+
83%-87%	B
80%-83%	B-
77%-80%	C+
73%-77%	C
70%-73%	C-
67%-70%	D+
63%-67%	D
60%-63%	D-
0%-60%	F