

CS 101 / CS 101-E

<http://www.cs.virginia.edu/~cs101>

M/W 2:00-3:15
CHM 402 / MEC 205

Instructors:

CS 101

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Office: Olsson Hall, room 228D

Office hours: Tu/Th 1-2:30

CS 101-E

James Cohoon

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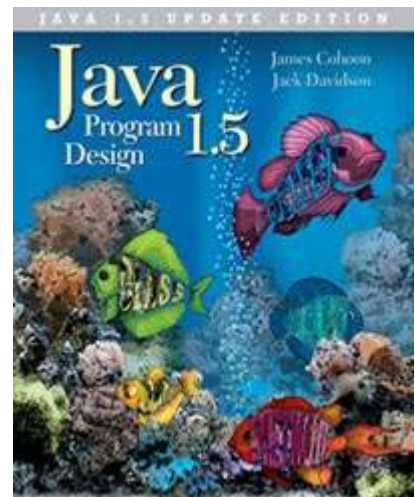
Office hours: M/W 3:30-5:00

Other course personnel (teaching assistants, tutors, etc.) and their office hours will be announced in a week or so.

Objectives: Students who complete the course will:

- Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
- Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
- Be aware of the important topics and principles of software development.
- Have the ability to write a computer program to solve specified problems.
- Be able to use the Java SDK environment to create, debug and run simple Java programs.

Textbook: James P Cohoon and Jack W Davidson, Java 1.5 Program Design, McGraw Hill, 2004. ISBN 0072948655. Make sure you get the 1.5 version! We will cover chapters 1-8 (a tentative schedule of what we are covering when is on the website's Resources page). Also, you will need a CodeLab license. If you buy the book at the UVa bookstore, they come together in a shrink-wrapped version. If you buy the book somewhere else (or get it used), you will have to buy the license from the CodeLab website (at <http://www.turingscraft.com>) for \$25.



Grades: Grades will be calculated by the following formula:

- 10%: Laboratory attendance/participation
- 10%: Laboratory quizzes
- 30%: Homeworks
- 30%: Midterms
- 20%: Final exam

The grades will follow a standard curve: once the final numerical grade has been computed according to the above formula, the average grade will get somewhere in the B range. Doing

significantly better than the average will receive an A. Doing significantly worse than the average will receive an F.

Exams: There will be three midterm exams during classes on 23 February, 23 March, and 20 April. Note that the first exam is a week before the SEAS drop date of 1 March. The midterms constitute 30% of your final grade. The final exam will be on Monday, 9 May from 7 pm. to 10 pm., (NOT on Saturday) and will count for 20% of the final grade. This final conflicts with APMA 310 and ECON 202 (sections 100 and 200) – make-ups will be discussed as the semester progresses. Lab quizzes will be announced ahead of time, given during labs, and will constitute 10% of the final grade.

Homeworks: There will be several homeworks given out throughout the semester, which constitute 30% of your grade. A copy of each homework assignment MUST be in your home directory prior to your final submission (see <http://www.homedir.virginia.edu>). If any submission problems arise, only that copy will be considered for grading; there are no exceptions.

Labs: There will not be labs the first week; labs start the week of 24 January. Lab attendance is *required*, and you must attend the lab for which you are *scheduled*. Attending to the wrong lab is equivalent to not going to lab. If you miss the first lab (the week of 24 January), you may lose your spot in that lab section. If you miss more than 2 labs, you will be subject to failure for the course. If you are unable to make your lab for a valid reason, there will be a make-up lab on Sunday night. Attending the make-up lab requires *prior* permission.

Honor Policy:

- The University of Virginia Honor Policy is in effect in this class. As a student in the course you are agreeing to the following principles.
 - When there is doubt regarding the honorability of an action, you will ask before doing it.
 - When possible to do so with honor, you will help your fellow classmates learn and improve.
 - You will get help from classmates and course staff before succumbing to frustration. Frustration leads to the dark path.
- Unless otherwise noted, exams and individual assignments will be pledged that you have neither given or received unauthorized help.
- By default, the only allowed collaboration is the discussion of ideas. No code or solutions are to be distributed to other students either electronically or on paper.
- You are not allowed to describe problems on an exam to a student who has not taken it yet. You are not allowed to show exam papers to another student or view another student's exam papers while working on an exam. An academic irregularity on any exam may result in failure of the course and be brought to the honor committee.
- If you have questions on what is allowable, ask!