Introduction to Computer Science, Fall 2012

course information as of Sept. 4, 2012

basic information

course number: CSCI-UA.0101-006
course webpage: https://sites.google.com/site/nyucsciua0101 (also linked from cs.nyu.edu).
lectures: Tuesdays and Thursdays, 9:30–10:45am in Warren Weaver Hall 317
instructor: Madeleine Thompson
email: mbt@cs.nyu.edu
office hours: Thursdays, 10:45–11:45 in Warren Weaver Hall 328 or by appointment. If you plan to come, but not at the beginning, please let me know.
grader: to be determined
textbook: Introduction to Java Programming, by Y. Daniel Liang. I own the 7th and 9th editions. Either is fine.

grades

grades: 35% homework, 20% midterm, 45% final exam
midterm exam: Oct. 9, 2012 in class
final exam: to be determined, sometime in the period Dec. 17–23.
homework: weekly homework, mainly consisting of Java programs to be turned in with Subversion.
regrade policy: If you disagree with the grader's assessment of your homework, ask the instructor to regrade it. The instructor will not know what the grader did, so the grade may go up or down, as appropriate.

academic honesty

● University policy is at: http://cas.nyu.edu/page/academicintegrity
● I loathe plagiarism.
● If you collaborate in any way whatsoever on assignments, even asking a fellow student what a question means or telling a fellow student what a question means, please say so in your turned-in homework. This completely protects you from any charges of academic dishonesty; the worst that could happen is you may not get full credit.

accommodations

Please tell me well in advance if you require special consideration of any kind, such as those necessary for medical conditions or religious observance.

tentative schedule

Sept. 4 & 6: Introduction, Subversion, integers
Sept. 11 & 13: Booleans, floating point math, characters, and Unicode
Sept. 18 & 20: flow control and string formatting
Sept. 25 & 27: arrays, static methods, and procedural abstraction
Oct. 2 & 4: classes, public/private, data abstraction
Oct. 9: in-class midterm exam covering material up to Oct. 2
Oct. 11: parametric types, ArrayList
Oct. 16: no class
Oct. 18: hashing, equality, and HashMap
Oct. 23 & 25: interfaces, Comparable, and TreeMap
Oct. 30 & Nov. 1: searching, sorting, recursion
Nov. 6 & 8: inheritance, superclasses, abstract classes
Nov. 13 & 15: exceptions, file IO
Nov. 20: color, start discussion of windowing toolkits
Nov. 22: Thanksgiving
Nov. 27: more windowing, AWT paradigm
Nov. 29: drawing your own graphics
Dec. 4: user interface widgets, user events
Dec. 6: synchronous network IO
Dec. 11: asynchronous network IO
Dec. 13: final class: finish up loose ends and review
Dec. 17–23: final exam covering all material in the course