CS 240—Data Structures and Algorithms I
Winter 2012

MWF 11:45 AM–12:50 PM, Room 8-348

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Text Book

Michael Main. *Data Structures & Other Objects Using Java*. 3rd ed. Addison-Wesley. ISBN: 978-0-321-37525-4.

Recommended Reading

Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein. *Introduction to Algorithms*. 3rd ed. The MIT Press. ISBN: 978-0-262-03384-8.

Grading

Exams 70%
- Midterm (tentatively Friday February 3) 35%
- Final (Friday March 16, 11:30 AM–1:30 PM) 35%

Homework 30%

The overall course grades will be assigned according to the standard "flat" scale:

`A`	`B`	`C`	`D`	`F`
$\geq 90\%$	$\geq 80\%$	$\geq 70\%$	$\geq 60\%$	$\geq 0\%$

However, I reserve the right to curve grades if necessary. Pluses and minuses will be assigned based on how well I feel you've done within your grade bracket.

As a rule, late homework will not be accepted.

You may work with others to figure out how to do the homework, but be sure to work on your own when writing the problems up (in code or otherwise). Rule of thumb: discussing is okay, but do not ask to look at someone else's homework, and do not offer to let others look at yours. If I suspect two assignments are copies of each other, both will receive scores of 0.

There will be no make-ups for exams without prior approval.

Coverage

- Arrays (Chapter 3.1)
- Algorithm analysis (Chapter 1.2)
- Searching (Chapter 11.1)
- Generics (Chapter 5)
- Stacks (Chapter 6)
- Queues (Chapter 7)
- Linked lists (Chapter 4)
- Recursion (Chapter 8)
- Hashing (Chapter 11.2–11.5)