

Final Exam Preparation

CS 5301
Spring 2014

Jill Seaman

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Final Exam

- Thursday, May 1, 8:00PM to 10:30PM
- Derrick 241 (or 240)

- Closed book, closed notes, clean desk
- Comprehensive (covers entire course)
- 50% of your final grade

- No bathroom breaks. If you leave the room, you must turn in your exam, and not return to the classroom.

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Exam Format

- 100 points total
- Writing programs/functions/classes/code
- Similar to the comprehensive programming exam
- 5 questions

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Exam Format

- These concepts will likely be included:
 - ▶ single and/or nested loops, maybe process an array or string
 - ▶ class definition (overloaded operators)
 - ▶ linked list
 - ▶ recursive function
 - ▶ dynamic memory allocation
 - ▶ one or two questions based on one of the labs 9 (stacks&queues), 11 (searching&sorting), 12 (trees), or 13 (sets&hash tables)

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Topics

- Operators, Data Types & I/O
- Control Constructs & Functions
- Functions, Arrays & Structures
- Pointers & Dynamic Memory Allocation
- Classes & Objects
- Operator Overloading & Templates
- Linked Lists
- Stacks & Queues
- Recursion
- Searching & Sorting
- Trees
- Sets & Hash Tables

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Final Grades

- Final Grade calculation:
 - * Lab Exercises (25%)
 - ✦ 14 scores: I calculate the average for each week
 - ✦ Drop the lowest of the 14
 - * Quizzes (25%)
 - ✦ Drop the lowest of the 14
 - * Final Exam (50%)
- Check grades on TRACS on the gradebook tool
- Comprehensive Exam policy: You can have two attempts to pass this class with a grade of B or higher.

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Office Hours finals week

Day	Date	Time
Th	5/1	2:30-4:30pm
M	5/5	12:00-1:00pm
T	5/6	2:30-3:30pm
W	5/7	11:00-12:00noon
		and by appt.

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