Final Exam Preparation

CS 5301
Spring 2014
Jill Seaman

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.

Exam Format

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

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)
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

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.

Office Hours

finals week

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<td>5/1</td>
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<td>M</td>
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