When?

Friday, May 12 8:00 – 9:00 AM

Sections on Final Exam

Test about five (5) pages in length.

Basic Concepts (T/F)	20
Big-Oh ($\mathcal{O}(N)$) ⋆	10
Data Structures Concepts	
Short answer	15
~~Hashing~~	
~~Heaps~~	
Sorting/Searching ★	10
Graphs ★	15
Construction	
Traversal, etc.	
Programming	20
Recursion ⋆	
Functions (2)	
Arrays/Lists/Trees	

Topics on Final

- ~~Big-Oh ($\mathcal{O}(N)$) ⋆~~
- ~~Hashing~~
- ~~Heaps~~
- Sorting/Searching ★
  - ~~Selection sort~~, ~~Merge sort~~, and Quick sort
- Graphs ★
  - Construction and Traversals (BFS and DFS)
- C++ Basics: Variables (naming, declaration, initialization), File I/O
- Arrays (one and two- dimensional)
- Classes (declaration, definition, templates)
- Linked Lists, Stacks, Queues
- Trees, trees, and more trees
  - Traversals
  - Binary Search Trees
  - Other trees (AVL, Red-Black, etc.)

When?

Friday, May 12 8:00 – 9:00 AM

Sections on Final Exam

Test about eight (8) pages in length.

Basic Concepts (T/F)	20
Big-Oh ($\mathcal{O}(N)$) ⋆	10
Data Structures Concepts	
Short answer	15
Hashing	10
~~Heaps~~	10
Sorting/Searching ★	20
Graphs ★	15
Programming	30
Recursion ⋆	
Functions (3)	
Arrays/Lists/Trees	

Topics on Final

- Big-Oh ($\mathcal{O}(N)$) ⋆
- Hashing
- ~~Heaps~~
- Sorting/Searching ★
  - Selection sort, Merge sort, and Quick sort
- Graphs ★
  - Construction and Traversals (BFS and DFS)
- C++ Basics: Variables (naming, declaration, initialization), File I/O
- Arrays (one and two- dimensional)
- Classes (declaration, definition, templates)
- Linked Lists, Stacks, Queues
- Trees, trees, and more trees
  - Traversals
  - Binary Search Trees
  - Other trees (AVL, Red-Black, etc.)