

Lecture Videos

- [Section AL1](#)
- [Section AL2](#)

Schedule

<div>Monday, Aug. 24</div> <div>Intro</div> <div>slides intro.pdf</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Wednesday, Aug. 26</div> <div>Classes</div> <div>slides</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Friday, Aug. 28</div> <div>Constructors</div> <div>slides pointers.pdf</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Monday, Aug. 31</div> <div>Pointers</div> <div>slides Binky Pointer Fun</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Wednesday, Sep. 2</div> <div>More Pointers</div> <div>slides Fun With Pointers</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Friday, Sep. 4</div> <div>Parameters</div> <div>slides arrays.pdf</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Monday, Sep. 7</div> <div>Labor Day</div>
<div>Wednesday, Sep. 9</div> <div>Constructors Reprise</div> <div>slides parameters.pdf</div> <div>Video: AL1: ▶ ↓ AL2: ▶ ↓</div>
<div>Friday, Sep. 11</div>

Friday, Sep. 11

Destructors and Operator Overloading

[slides](#) | [construct.pdf](#)

Video: AL1:   | AL2:  

Monday, Sep. 14

Operator Overloading

[slides](#) | [inherit.pdf](#)

Video: AL1:   | AL2:  

Wednesday, Sep. 16

Inheritance

[slides](#)

Video: AL1:   | AL2:  

Friday, Sep. 18

Templates

[slides](#) | [templates.pdf](#)

Video: AL1:   | AL2:  

Monday, Sep. 21

Linked Memory

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Sep. 23

Linked Lists

[slides](#)

Video: AL1:   | AL2:  

Friday, Sep. 25

Stacks

[slides](#)

Video: AL1:   | AL2:  

Monday, Sep. 28

Array Resizing

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Sep. 30

Review Session

Video: AL1:   | AL2:  

Friday, Oct. 2

Queues

[slides](#)

Video: AL1:   | AL2:  

Monday, Oct. 5

Generic Programming

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Oct. 7

Trees

[slides](#)

Video: AL1:   | AL2:  

Friday, Oct. 9

Trees

[slides](#) | [activity.pdf](#) | [tree.cpp](#)

Video: AL1:   | AL2:  

Monday, Oct. 12

Tree Traversals

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Oct. 14

Tree Traversals complexity

[slides](#)

Video: AL1:   | AL2:  

Friday, Oct. 16

Binary Search Trees

[slides](#)

Video: AL1:   | AL2:  

Monday, Oct. 19

BST Removal

[slides](#) | [BST Applet](#)

Video: AL1:   | AL2:  

Wednesday, Oct. 21

Balanced BSTs

[slides](#)

Video: AL1:   | AL2:  

Friday, Oct. 23

Balanced BSTs

[slides](#)

Video: AL1:   | AL2:  

Monday, Oct. 26

AVL Tree Analysis

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Oct. 28

Intro to BTrees

[slides](#)

Video: AL1:   | AL2:  

Friday, Oct. 30

BTrees

[slides](#) | [BTrees Applet](#)

Video: AL1:   | AL2:  

Monday, Nov. 2

TBA

Video: AL1:   | AL2:  

Wednesday, Nov. 4

Hashing 1

[slides](#)

Video: AL1:   | AL2:  

Friday, Nov. 6

Hashing 2

[slides](#)

Video: AL1:   | AL2:  

Monday, Nov. 9

Hashing 3

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Nov. 11

Priority Queues

[slides](#)

Video: AL1:   | AL2:  

Friday, Nov. 13

Heapsort

[slides](#)

Video: AL1:   | AL2:  

Monday, Nov. 16

Disjoint Sets

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Nov. 18

Intro to Graphs

[slides](#)

Video: AL1:   | AL2:  

Friday, Nov. 20

Graph Implementations

[slides](#)

Video: AL1:   | AL2:  

Monday, Nov. 23

Fall Break

Wednesday, Nov. 25

Fall Break

Friday, Nov. 27

Fall Break

Monday, Nov. 30

Graph Implementations

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Dec. 2

Graph Traversals

[slides](#)

Video: AL1:   | AL2:  

Friday, Dec. 4

Minimum Spanning Trees

[slides](#)

Video: AL1:   | AL2:  

Monday, Dec. 7

Kruskal

[slides](#)

Video: AL1:   | AL2:  

Wednesday, Dec. 9

Prim + SSSP

[slides](#)

Video: AL1:   | AL2:  

Friday, Dec. 11

Finals begin

Piazza I Office Hours

© 2015. All rights reserved.