

**CS2024 FALL 2020 SYLLABUS**  
*(as of 8/29/20, subject to change)*

**Tuesdays and Thursdays, 4:10PM - 5:00PM Statler Auditorium**  
**Ron DiNapoli, Lecturer**

<b>DATE</b>	<b>DESCRIPTIONS</b>	<b>NOTES</b>
Thursday, 9/3	Lecture #1 - Introduction <a href="#">Assignment #1 given (due 9/9)</a>	Chapter 1
Tuesday, 9/8	Lecture #2 - Input/Output and Operators	Chapter 2
Thursday, 9/10	Lecture #3 - Introduction to Classes <a href="#">Assignment #2 given (due 9/16)</a>	Chapter 3
Tuesday, 9/15	Lecture #4—Control Statements	Chapters 4,5
Thursday, 9/17	Lecture #5—Functions I <a href="#">Assignment #3 given (due 9/23)</a>	Chapter 6
Tuesday, 9/22	Lecture #6—Functions II	Chapter 6
Thursday, 9/24	Lecture #7—Functions III <a href="#">Assignment #4 given (due 9/30)</a>	Chapter 6
Tuesday, 9/29	Lecture #8—Arrays and Vectors	Chapter 7
Thursday, 10/1	Lecture #9—Pointers <a href="#">Assignment #5 given (due 10/7)</a>	Chapter 8
Tuesday, 10/6	Lecture #10—Classic Arrays and Pointer Arithmetic	Chapter 8
Thursday, 10/8	Lecture #11—Classes: A Deeper Look <a href="#">Assignment #6 given (due 10/21)</a>	Chapter 9
Tuesday, 10/13	Lecture #12—Operator Overloads	Chapter 10
Thursday, 10/15	<b>Prelim/Project #1</b>	<i>Online</i>
Tuesday, 10/20	Lecture #13—Inheritance	Chapter 11
Thursday, 10/22	Lecture #14—Polymorphism <a href="#">Assignment #7 given (due 10/28)</a>	Chapter 12
Tuesday, 10/27	Lecture #15—Stream I/O	Chapter 13
Thursday, 10/29	Lecture #16—Function Pointers and Lambdas <a href="#">Assignment #8 given (due 11/4)</a>	Chapter 16 (16.3)
Tuesday, 11/3	Lecture #17—File Processing	Chapter 14
Thursday, 11/5	Lecture #18—Standard Template Library <a href="#">Assignment #9 given (due 11/11)</a>	Chapter 15
Tuesday, 11/10	Lecture #19—Exceptions	Chapter 17
Thursday, 11/12	Lecture #20—Custom Templates <a href="#">Assignment #10 given (due 11/18)</a>	Chapter 18
Tuesday, 11/17	<i>Semi-Final Exams Week</i>	<i>No Class</i>
Thursday, 11/19	<i>Semi-Final Exams Week</i>	<i>No Class</i>
Tuesday, 11/24	<i>Semi-Final Exams Week</i>	<i>No Class</i>

Thursday, 11/26	<i>Thanksgiving Break</i>	<i>No Class</i>
Tuesday, 12/1	Lecture #21—Multiple Inheritance	Chapter 23 (web)
Thursday, 12/3	Lecture #22—Smart Pointers <a href="#">Assignment #11 given (due 12/9)</a>	Chapter 24 (web)
Tuesday, 12/8	<a href="#">Prelim/Project #2</a>	<i>Online</i>
Thursday, 12/10	Lecture #23—Casting and STL Algorithms <a href="#">Assignment #12 given (due 12/16)</a>	Chapter 16
Tuesday, 12/15	Lecture #24—Bitwise Operations and other Miscellaneous topics	

### CONTACT INFORMATION

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Course Web Site: <http://www.cs.cornell.edu/courses/cs2024/2020fa> (info)

CMS: TBD

Piazza: TBD

Book: “C++: How To Program” by Deitel & Deitel (10<sup>th</sup> edition)