

CS2024 FALL 2021 SYLLABUS
(as of 8/25/21, subject to change)

Tuesdays and Thursdays, 12:25PM – 1:15PM (Rockefeller Hall 201)
Ron DiNapoli, Lecturer

DATE	DESCRIPTIONS	NOTES
Thursday, 8/26	Lecture #1 – Introduction Assignment #1 given (due 9/1)	Chapter 1
Tuesday, 8/31	Lecture #2 – Input/Output and Operators	Chapter 2
Thursday, 9/2	Lecture #3 – Introduction to Classes Assignment #2 given (due 9/8)	Chapter 3
Tuesday, 9/7	Lecture #4—Control Statements	Chapters 4,5
Thursday, 9/9	Lecture #5—Functions I Assignment #3 given (due 9/15)	Chapter 6
Tuesday, 9/14	Lecture #6—Functions II	Chapter 6
Thursday, 9/16	Lecture #7—Functions III Assignment #4 given (due 9/22)	Chapter 6
Tuesday, 9/21	Lecture #8—Arrays and Vectors	Chapter 7
Thursday, 9/23	Lecture #9—Pointers Assignment #5 given (due 9/29)	Chapter 8
Tuesday, 9/28	Lecture #10—Classic Arrays and Pointer Arithmetic	Chapter 8
Thursday, 9/30	Lecture #11—Classes: A Deeper Look Assignment #6 given (due 10/13)	Chapter 9
Tuesday, 10/5	Lecture #12—Operator Overloads	Chapter 10
Thursday, 10/7	Prelim #1 (Covers lectures 1-11, assignments 1-5)	<i>In class</i>
Tuesday, 10/12	No class, fall break	<i>No class</i>
Thursday, 10/14	Prelim #1 review Assignment #7 given (due 10/20)	<i>In class</i>
Tuesday, 10/19	Lecture #13—Inheritance	Chapter 11
Thursday, 10/21	Lecture #14—Polymorphism Assignment #8 given (due 10/27)	Chapter 12
Tuesday, 10/26	Lecture #15—Stream I/O	Chapter 13
Thursday, 10/28	Lecture #16—Function Pointers and Lambdas Assignment #9 given (due 11/3)	Chapter 16 (16.3)
Tuesday, 11/2	Lecture #17—File Processing	Chapter 14
Thursday, 11/4	Lecture #18—Standard Template Library Assignment #10 given (due 11/10)	Chapter 15
Tuesday, 11/9	Lecture #19—Exceptions	Chapter 17
Thursday, 11/11	Lecture #20—Custom Templates Assignment #11 given (due 11/17)	Chapter 18
Tuesday, 11/16	Lecture #21—Multiple Inheritance	Chapter 23 (web)

Thursday, 11/18	Lecture #22—Smart Pointers Assignment #12 given (due 11/24)	Chapter 24 (web)
Tuesday, 11/23	Lecture #23—Casting and STL Algorithms	Chapter 16
Thursday, 11/25	Thanksgiving Break	<i>No class</i>
Tuesday, 11/30	Lecture #24—Bitwise Operations , MultiByte characters in strings	
Thursday, 12/2	Prelim #2 (Covers lectures 12-23, assignments 6-12)	<i>In class</i>
Tuesday, 12/7	Prelim #2 Review, Final Thoughts	<i>In class</i>

CONTACT INFORMATION

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 Ron: Wednesdays, 7-8:30PM, 441-B Gates Hall
 Priya: Tuesdays, 6-7:30PM, 408 Rhodes
 Priya: Wednesdays, 12-1:30PM, 405 Rhodes

Course Web Site: <http://www.cs.cornell.edu/courses/cs2024/2021fa> (info)
CMS: <https://cmsx.cs.cornell.edu>
Canvas: <https://canvas.cornell.edu>

Book: “C++: How To Program” by Deitel & Deitel (10th edition)
Book will be available electronically through Canvas