CS2024 FALL 2022 SYLLABUS
(as of 11/12/22, subject to change)

Tuesdays and Thursdays, 12:25PM – 1:15PM (Olin Hall 255)
Ron DiNapoli, Lecturer

DATE	DESCRIPTION	NOTES
PART I: CLASSIC C++		
Tuesday, 8/23	Lecture #1 – Introduction to C++ Syntax	
Thursday, 8/25	Lecture #2 – Control Statements Assignment #1 given (due 8/31)	
Tuesday, 8/30	Lecture #3—Functions	
Thursday, 9/1	Lecture #4—More Functions/Intro to Classic Arrays Assignment #2 given (due 9/7)	
Tuesday, 9/6	Lecture #5 – Classes, Part I	
Thursday, 9/8	Lecture #6—Pointers and Classic Arrays Assignment #3 given (due 9/14)	
Tuesday, 9/13	Lecture #7—C/C++ Strings, Intro to STL: Vectors	
Thursday, 9/15	Lecture #8—Classes, Part II Assignment #4 given (due 9/21)	
Tuesday, 9/20	Lecture #9—Operator Overloads	
Thursday, 9/22	Catchup Day (no new lecture material) Assignment #5 given (due 9/28)	
Tuesday, 9/27	Lecture #10—Inheritance	
Thursday, 9/29	Lecture #11—Polymorphism Assignment #6 given (due 10/5)	
Tuesday, 10/4	Lecture #12—Exceptions	
Thursday, 10/6	Prelim #1 (Lectures #1-#12)	*In class*
Tuesday, 10/11	*Fall Break*	*No class*
PART II: MODERN C++		
Thursday, 10/13	Prelim Review, Homework 6 Hints Assignment #7 given (due 10/19)	
Tuesday, 10/18	Lecture #13—Basic Stuff in C++11 That Makes our Lives Easier!	
Thursday, 10/20	Lecture #14—Function Pointers and Lambdas Assignment #8 given (due 10/26)	
Tuesday, 10/25	Lecture #15— Standard Template Library I	
Thursday, 10/27	Lecture #16— Custom Template Classes Assignment #9 given (due 11/2)	
Tuesday, 11/1	Lecture #17— Smart Pointers	
Thursday, 11/3	Lecture #18— Casting and STL Algorithms	

	Assignment #10 given (due 11/9)	
Tuesday, 11/8	Lecture #19—lvalue and rvalue references, Move Semantics	
Thursday, 11/10	Lecture #20— Stream I/O and Files Assignment #11 given (due 11/16)	
Tuesday, 11/15	Lecture #21—More on Standard Template Library	
Thursday, 11/17	Lecture #22—Bitwise Operations, More on Streams Assignment #12 given (due 12/2)	
Tuesday, 11/22	Lecture #23 – Multiple Inheritance	
Thursday, 11/24	*Thanksgiving Break*	*No class*
Tuesday, 11/29	Prelim #2 (Lectures #12 - #23)	*In class*
Thursday, 12/1	Prelim #2 Review, Final Thoughts	

CONTACT INFORMATION

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Office Hours: Ron: Tuesdays, 4:30-6PM, 441-B Gates Hall
                  Ron: Wednesdays, 5-6:00PM, 441-B Gates Hall
                  Sukruth: Wednesdays, 4PM – 5:30PM via Zoom
                  Sukruth: Fridays, 1:00-2:00PM, 402 Rhodes
                  Tiffany: Mondays, 3:30–5:00PM, 402 Rhodes
                  Charles: Tuesdays, 2:30-4:00PM, 402 Rhodes

Course Web Site: http://www.cs.cornell.edu/courses/cs2024/2022fa (info)
CMS: https://cmsx.cs.cornell.edu
Canvas: https://canvas.cornell.edu

Book: *No book required this semester*