

---

**University of Wyoming**  
**College of Engineering**  
**Department of Computer Science**

---

## Computer Science 1030 - Computer Science I

### Calendar

Last update: August 28, 2023

Our course as it stands right now:

	Day	Date	Planned Activity	Reading
lec01	Tue	August 29, 2023	Introduction, C++, Syntax versus Semantics, Programming, Basic Program with brief <i>namespace</i> intro. <b>Lab 1, Program 1</b>	Ch. 1, 2, 3, App F
lec02	Thu	August 31, 2023	Basic Arithmetic, Basic I/O, Pseudocode	Ch. 1, 2, 3
lec03	Tue	September 5, 2023	Decision Making and Planning – more pseu- docode <b>Lab 2, Program 2, Quiz 1</b>	Ch. 1, 2, 3
lec04	Thu	September 7, 2023	C++ Control Statements: <i>if</i> , <i>if-else</i> , <i>while</i> , <i>for</i> , <i>do-while</i> . Problems w/logic	Ch. 4, 5
lec05	Tue	September 12, 2023	Start <i>struct</i> , and <i>class</i> , identifiers <b>Lab 3, Program 3, Quiz 2</b>	Ch. 11, 13
lec06	Thu	September 14, 2023	Functions and Stubs sentinels	Ch. 3, 6
lec07	Tue	September 19, 2023	More design, pseudocode for multiple choices; <i>switch</i> , intro to casts. Exam Review <b>Lab 4, Program 4, Quiz 3</b>	Ch. 4
	Thu	September 21, 2023	<b>Exam #1 (Chapters 1-5)</b>	
lec08	Tue	September 26, 2023	Number of bytes, Precision, math library. <b>Lab 5, Program 5, NO QUIZ</b>	Ch. 3, 4

lec09	Thu	September 28, 2023	Library, header and code files, Scope	
lec10	Tue	October 3, 2023	Reading, writing files, records. <b>Lab 6, Program 6, Quiz 4</b>	Ch. 12
lec11	Thu	October 5, 2023	Arrays, declaration, dynamic.	Ch. 7
lec12	Tue	October 10, 2023	Functions: Overloading, passing values. <b>Lab 7, Program 7, Quiz 5</b>	Ch. 6
lec13	Thu	October 12, 2023	Recursion and timing.	Ch. 6
lec14	Tue	October 17, 2023	Creating classes, UML. Exam Review <b>Lab 8, Program 8 QUIZ 6</b>	Ch. 13, App E
	Thu	October 19, 2023	<b>Exam #2 (Chapters 3, 4, 6, 7, 12</b>	
lec15	Tue	October 24, 2023	More on classes and dynamic allocation of <b>Lab 9, Program 9, NO QUIZ</b>	Ch. 9, 13
lec16	Thu	October 26, 2023	More arrays, pointer to memory, size, STL vector.	Ch. 7, 19
lec17	Tue	October 31, 2023	More w/classes; operator overloading, deep copy, shallow copy. <b>Lab 10, Program 10 Quiz 7</b>	Ch. 9, 13, 14
lec18	Thu	November 2, 2023	Review plus C-strings	Ch. 9, 10, 12
lec19	Tue	November 7, 2023	Inheritance, is-a vs. has-a, protected, constructor calls <b>Lab 11, Program 11, Quiz 8</b>	Ch. 13, 14, 15
lec20	Thu	November 9, 2023	Overloading versus overriding	Ch. 13, 14, 15
lec21	Tue	November 14, 2023	Virtual functions and abstract classes Exam Review <b>Lab 12, Program 12, Quiz 9</b>	Ch. 13, 14, 15
	Thu	November 16, 2023	<b>Exam #3 (Chapters 9-15)</b>	

lec22	Tue	November 21, 2023	Class templates. Arguments to main May have to adjust based on previous week and need to review after T-day. No lab/prog because no classes on Friday NO QUIZ	Ch. 13, 14, 15, App G
	Thu	November 23, 2023	No Class	
lec23	Tue	November 28, 2023	Exceptions, nice and easy. <b>Lab 13, Program 13, Quiz 10</b>	some links
lec24	Thu	November 30, 2023	Data representations	some links
	Tue	December 5, 2023	Something useful <b>Lab 14, Program 14, Quiz 11</b>	
	Thu	December 7, 2023	Final Exam Review	Ch. 1-15
	Thu		<b>Final Exam</b> <b>(10:15-12:15 PM)</b>	December 14