

# CSCI 123: Introduction to Programming Concepts Using C++

## Tentative Schedule for Monday/Wednesday

[\[Home\]](#)   [\[Up\]](#)   [\[Tentative Schedule\]](#)   [\[Announcements\]](#)   [\[Handouts\]](#)  
[\[Assignments\]](#)

	Lesson #	Date	Topic
<b>Week 1</b>	1	08/20/2018	Hardware and software; computer languages
	2	08/22/2018	lab and SSH server orientation; the linux environment; the build process; introduction to C++
<b>Week 2</b>	3	08/27/2018	data types; variables; assignment statements; integer and floating point types
	4	08/29/2018	the char data type; while loops; if/else statements; standard I/O
<b>Week 3</b>	***	<b>09/03/2018</b>	<b>NO CLASS -- LABOR DAY HOLIDAY</b>
	5	09/05/2018	increment/decrement operators; logical and relational operators; initialization vs. assignment; user-defined functions
<b>Week 4</b>	6	09/10/2018	predefined functions; the Coding Style Guidelines (CSG)
	7	09/12/2018	do/while loops; break statements; the exit function; local and global variables
<b>Week 5</b>	8	09/17/2018	automatic type conversions; pass by reference vs. pass by value

	9	09/19/2018	file I/O; file stream arguments
<b>Week 6</b>	10	09/24/2018	documenting parameter modes; the const modifier
	<b>11</b>	<b>09/26/2018</b>	<b>Midterm #1</b>
<b>Week 7</b>	12	10/01/2018	successful extraction; character I/O; for loops
	13	10/03/2018	arrays; arrays and functions
<b>Week 8</b>	14	10/08/2018	initializing arrays; character arrays; typedef statements
	15	10/10/2018	default arguments; the stream inheritance hierarchy
<b>Week 9</b>	16	10/15/2018	two-dimensional arrays; nested loops; introduction to structures; initialization of structures
	17	10/17/2018	arrays of structures; nested structures; switch statements
<b>Week 10</b>	18	10/22/2018	multiple modules
	19	10/24/2018	abstract data types; constructors
<b>Week 11</b>	<b>20</b>	<b>10/29/2018</b>	<b>Midterm #2</b>
	21	10/31/2018	"special" constructors; passing objects by value
<b>Week 12</b>	22	11/05/2018	more with ADTs; overloading operators; const member functions
	23	11/07/2018	friend functions; inline member functions; overloading stream operators
<b>Week 13</b>	<b>***</b>	<b>11/12/2018</b>	<b>NO CLASS -- VETERAN'S DAY HOLIDAY</b>
	24	11/14/2018	intro to pointers

<b>Week 14</b>	25	11/19/2018	more with pointers; NULL pointers; dynamic memory management
	26	11/21/2018	dynamic cstrings; pointers vs. references
<b>Week 15</b>	27	11/26/2018	pointers to structures and class objects; dynamic objects; complex objects
	28	11/28/2018	destructors; overloading the assignment operator; the "this" pointer
<b>Week 16</b>	29	12/03/2018	templates; vectors; string objects enumerated types; overloading the subscript operator
	<b>30</b>	<b>12/05/2018</b>	<b>FINAL EXAM</b>