

Course Schedule			
Date	Topic	Reading	What's Due
W 1/13	Class Introduction		
Th 1/14	No Lab		
F 1/15	Data Structures with C++	2 – 36	
W 1/20	OO Design C++	68-70, 70-74 (exceptions) 74-80, 82-96	
Th 1/21	Lab 1 – Basic C++ programming (Processing a list of numbers)		
F 1/22	Inheritance	728-750, 759-773	
M 1/25			
W 1/27	Intro to Algorithms	115 – 172	
Th 1/28	Lab 2 – Algorithm Development		
F 1/29			
M 2/1			
W 2/3			Project 1- Lifegame
Th 2/4	Lab 3 – Extended Vector		
F 2/5	Vector Container	184 – 211	
M 2/8			
W 2/10	Pointers	221 – 271	
Th 2/11	Lab 4 – Recursive Algorithms		
F 2/12			
M 2/15			
W 2/17	Test 1	Chapters 1 - 5	
Th 2/18	Lab 5 - Pointers		
F 2/19	Lists and Iterators	282 – 319	Project 2- Battleship
M 2/22			
W 2/24	Stacks	328 – 377	
Th 2/25	Lab 6 – Recursive Lists		
F 2/26			
M 3/1	Queues	386 – 426	
W 3/3			
M-F 3/8-3/12 Spring Break			
M 3/15	Linked Lists	438 – 495	
W 3/17			
Th 3/18	Lab 7 – Linked Lists		
F 3/19			
M 3/22	Binary Trees	504 – 576	Project 3– Big Num
W 3/24	Test 2	Chapters 6-9	
Th 3/25	Lab 8 – Stacks and Queues		
F 3/26			
M 3/29			
W 3/31	Containers	587 – 638	
Th 4/1	Lab 9 – Binary Search Trees		
4/2 and 4/5 Easter Break			

W 4/7			
Th 4/8	Project Lab		
F 4/9			Project 4 - maze
M 4/12	Advanced Structures	649 – 716	
W 4/14			
Th 4/15	Lab 10 – Binary Search Trees (Text Concordance)		
F 4/16			
M 4/19	Heaps and Bit Sets	792 – 849, 861-889	
W 4/21			
Th 4/22			
F 4/23			
M 4/26			
W 4/28	Graph programming	939-1006	
Th 4/29	Lab 11 – Hash Tables		
F 4/30			
M 5/3			Project 5 – Hash Tables
T 5/4	Lab 13 - Sorting Algorithm Performance (moved from 4/29)		
W 5/5			
Final Exam Period: May 11 T 10:30 a.m.—12:30 p.m.			