

Tentative Lesson Plan:

Date (Week of)	Topics Covered	Reading Assignment
Aug.28	Welcome. Course outline; Goals and objectives; Rules and responsibilities;	Syllabus
Sep. 6	Basic computer architecture; Bits and bytes; software and hardware	Chapter 1
	Program structure: Simple C++ program; simple output; comments	Chapter 2
Sep.11	Visual C++ environment; escapes sequences; debugging; Lab1 discussion	Chapter 2; Lab1 handout
	Data types, variables and Arithmetic operations; Applications	Chapter 3
Sep.18	Writing output to a file; Reading input from a file; Lab 2 discussion	Chapter 4; Lab2 handout
Sep.25	Decision control structures: if, if-else; Boolean data types; logical and relational operators;	Chapter 5
Oct.3,Oct.9	Iteration control structures: while loop; do-while loop; for loop; Lab 3 discussion	Chapter 6; Lab3 handout
Oct.16,17	Review for Midterm exam	
Oct.18,19	Midterm Exam	Chapter 1-6
Oct.23	Functions: prototype; definition; invocation; Lab 4 discussion	Chapter 7; Lab4 handout
Oct.30	More on functions: parameter passing	Chapter 7
Nov.6	Introduction to object-oriented programming; Lab 5 discussion	Chapter 8; Lab5 handout
Nov.13	Object-oriented design: simple class design; Lab 6 discussion	Chapter 8; Lab6 handout
Nov.20	One dimensional arrays: definition; access methods;	Chapter 9
Nov.27	Multi dimensional array; definition; access methods; applications; lab 7 discussion	Chapter 10; Lab 7 handout
Dec. 4	Review for comprehensive final exam	Chapter 1-10
Dec.13	Final exam: Wed 12/13 8-11am	