| **UNITS** | **DATES** | **TOPIC** | **READ/LISTEN/VIEW** | **TO DO** |
| --- | --- | --- | --- | --- |
| **START HERE** | 05.16 - 05.29 | Introduction to Course | * Syllabus * Course Schedule * Instructor Introduction | * Post student intro * Syllabus Quiz |
| **1** | 05.16 - 05.29 | Introduction to Computers and C++ Programming | * Chapter 1 * Chapter 1 Textbook Slides | **Optional** |
| **2** | 05.16 - 05.29 | C++ Basics and Flow of Control | * Chapter 2 * Chapter 2 Textbook Slides | * Quiz * Programming Assignment 1 |
| **3** | 05.16 - 05.29 | Flow of Control | * Chapter 3 * Chapter 3 Textbook Slides | * Quiz * Programming Assignment 2 |
| **4** | 05.30 - 06.12 | Procedural Abstraction and Functions that return value | * Chapter 4 * Chapter 4 Textbook Slides | * Quiz * Programming Assignment 3 |
| **5** | 05.30 - 06.12 | Functions for ALL Subtasks | * Chapter 5 * Chapter 5 Textbook Slides | * Quiz * Programming Assignment 4 |
| **6** | 06.13 – 06.19 | I/O Streams as an Introduction to Objects and Classes | * Chapter 6 * Chapter 6 Textbook Slides | * Quiz * Test#1 (6/13-6/17) * Programming Assignment 5 |
| **7** | 06.13 - 06.26 | Arrays | * Chapter 7 * Chapter 8 Textbook Slides | * Quiz * Programming Assignment 6 |
| **8** | 06.13 - 06.26 | Strings | * Chapter 8 * Chapter 8 Textbook Slides | * Quiz * Programming Assignment 7 |
| **9** | 06.27 - 07.10 | Pointers and Dynamic Arrays | * Chapter 9 * Chapter 9 Textbook Slides | * Quiz * Test#2 (7/11-7/15) * Programming Assignment 8 |
| **10** | 06.27 – 07.10 | Defining Classes | * Chapter 10 * Chapter 10 Textbook Slides | * Quiz * Programming Assignment 9 |
| **11** | 07.11 - 07.17 | More on Friends, Overloaded Operators, and Arrays in Classes | * Chapter 11 * Chapter 11 Textbook Slides | * Quiz * Programming Assignment 10 |
| **12** | 07.11 - 07.17 | Separate Compilations, and Namespaces | * Chapter 12 * Chapter 12 Textbook Slides | * Quiz * Programming Assignment 11 |
| **13** | 07.18 - 07.24 | Recursion | * Chapter 14 * Chapter 14 Textbook Slides | * Quiz * Programming Assignment 12 |
| **14** | 07.25 - 07.31 | Templates | * Chapter 17 * Chapter 17 Textbook Slides | * Quiz * Programming Assignment 13 |
| **15** | 07.25 - 8.03 | Linked List | * Chapter 13 * Chapter 13 Textbook­­ Slides | * Quiz * Final (8/1-8/3) * Programming Assignment 14 |