

| Week | Lecture Number | Date | Day of Week | Topic | Text Reading |
|------|-------------------|-------------|-------------|--|---------------------------|
| 1 | 1 | 25-Aug-2009 | T | Introduction, C++, Syntax versus Programming, Arithmetic | Ch. 1, Ch. 2 pp. 43-58 |
| | 2 | 27-Aug-2009 | R | Basic I/O Continued, Decision Making, Activity Diagrams | Ch. 2 pp. 58-63, Notes |
| 2 | 3 | 1-Sep-2009 | T | C++ Classes and Objects: Data, Interface, Implementation, Functions | Ch. 3 pp. 81-117, Notes |
| | 4 | 3-Sep-2009 | R | C++ Control Statements: if, if...else, while | Ch. 4 pp. 131-171 |
| 3 | 5 | 8-Sep-2009 | T | C++ Control Statements: for, do...while, switch, break, continue | Ch. 5 pp. 192-228 |
| | 6 | 10-Sep-2009 | R | Functions in Detail: Prototypes and Coercion. Procedural Programming | Ch. 6 pp. 245-268, Notes |
| 4 | 7 | 15-Sep-2009 | T | Functions in Detail: Scope, References, Overloading | Ch. 6 pp. 269-292 |
| | 8 | 17-Sep-2009 | R | Functions in Detail: Templates and Recursion | Ch. 6 pp. 292-304 |
| 5 | 9 | 22-Sep-2009 | T | Arrays in Review. Intro Templates | Ch. 7 pp. 333-358, Ch. 14 |
| | 10 | 24-Sep-2009 | R | Arrays and Vectors. Intro the Standard Template Library (STL) | Ch. 7 pp. 358-384, Ch. 22 |
| 6 | 11 | 29-Sep-2009 | T | Exam #1 (Chapters 1-6) | |
| | 12 | 1-Oct-2009 | R | Pointers, Pointer-Based C-Style Strings | Ch. 8 pp. 408-461 |
| 7 | 13 | 6-Oct-2009 | T | Classes in Depth: Constructors, Accessors, Destructors | Ch. 9 pp. 486-515 |
| | 14 | 8-Oct-2009 | R | Classes in Depth: const, friend, this, new, delete and static | Ch. 10 pp. 530-568 |
| 8 | 15 | 13-Oct-2009 | T | Classes in Depth: Container Classes, Iterators, Proxies | Ch. 10 pp. 568-572 |
| | 16 | 15-Oct-2009 | R | Operator Overloading | Ch. 11 pp. 578-628 |
| 9 | 17 | 20-Oct-2009 | T | Object-Oriented Programming: Inheritance | Ch. 12 pp. 640-685 |
| | 18 | 22-Oct-2009 | R | Derived Classes in Detail | Ch. 12 pp. 685-688 |
| 10 | 19 | 27-Oct-2009 | T | Object-Oriented Programming: Polymorphism | Ch. 13 pp. 693-735 |
| | 20 | 29-Oct-2009 | R | Virtual Functions and Dynamic Binding in Detail | Ch. 13 pp. 735-743 |
| 11 | 21 | 3-Nov-2009 | T | Exam #2 (Chapters 7-12) | |
| | 22 | 5-Nov-2009 | R | Exception Handling and File I/O | Ch. 16 and 17 |
| 12 | 23 | 10-Nov-2009 | T | Templates / File I/O and Binary vs. Text Encoding | Ch. 14 pp. 756-771 |
| | 24 | 12-Nov-2009 | R | The Standard Template Library | Ch. 22 pp. 1057-1084 |
| 13 | 25 | 17-Nov-2009 | T | Algorithms with STL | Ch. 22 pp. 1099-1128 |
| | 26 | 19-Nov-2009 | R | Advanced Topics | Notes |
| 14 | 27 | 24-Nov-2009 | T | Advanced Topics | Notes |
| | | 26-Nov-2009 | R | Thanksgiving Holiday (No class or Lab on Wed.) | |
| 15 | 28 | 1-Dec-2009 | T | Advanced Topics | Notes |
| | 29 | 3-Dec-2009 | R | Review | |
| | Final Exam | 8-Dec-2009 | T | Final Exam (Summary) -- (10:15-12:15 am) | |

This schedule is subject to change. Changes will be announced in class, and the most current version of this schedule will be posted on the WyoWeb Portal for COSC 1030, Fall 2009.