

CSC-216 Intermediate C++ Programming

Three Rivers Community College

Syllabus

Fall 2010

Instructor Information:

- Instructor: Joe Johnson
- Telephone: 860-823-2818 (Office), 860-805-3670 (Cell)
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- Office hours: Tuesday: 12:30 – 1:00, Thursday: 9:00 – 11:00, 12:30 – 1:00
- Office Location: 205W

Course Objectives:

- This course will discuss the programming C++ using Visual Studio 2008. Specifically, topics covered in this course are listed in the course schedule below.

Texts:

- Walter Savitch, Absolute C++ (4th Edition), Pearson Publishing, ISBN 0136083811 (Required)

Course Requirements:

- Regular programming assignments based on the topics covered in class (weekly or biweekly, depending on the topic) (40%)
 - No late assignments will be accepted. We will review the solutions to the problems in class after they are due.
- Midterm Exam (20%)
- Final Exam (Cumulative) (30%)
- Participation in classroom/online discussions (10%)

Pre-requisites

- K108 - Intro to Programming with C++

Schedule

Week	Date	Topic	Reading Assignment
1	08/31, 09/02	Review of Fundamentals: Part I: C++ Basics, Flow of Control, Function Basics	Chapters 1, 2, 3
2	09/07, 09/09	Review of Fundamentals: Part II: Parameters and Overloading, Arrays	Chapters 4, 5
3	09/14, 09/16	Structures and Classes	Chapter 6
4	09/21, 09/23	Constructors and Other Tools	Chapter 7, excluding 7.3 Vectors
5	09/28, 09/30	Operator Overloading, Friends, and References	Chapter 8
6	10/05, 10/07	Strings	Chapter 9
7	10/12, 10/14	Pointers, Dynamic Arrays, and Vectors	Chapter 10, 7.3 Vectors
8	10/19, 10/21	10/19 – Midterm Exam, 10/21 – Separate Compilation and Namespaces	Chapter 11
9	10/26, 10/28	Streams and File I/O, Recursion	Chapter 12, 13
10	11/02, 11/04	Inheritance, Polymorphism, Virtual Functions	Chapters 14, 15

11	11/09, 11/11	11/09 – Templates, 11/11 – Veteran’s Day No class	Chapters 16
12	11/16, 11/18	Algorithms and Data Structures	Chapter 17
13	11/23, 11/25	11/23 – (make-up) Exception Handling, 11/25 – No class	Chapter 18
14	11/30, 12/02	Standard Template Library, Part I	Chapter 19
15	12/07, 12/09	Standard Template Library, Part II	Chapter 19
16	12/14, 12/16	12/14 – Final Exam, 12/16 – make-up	

Academic Integrity

- Three Rivers’ catalog defines various forms of academic dishonesty and procedures for responding to them. All forms are violations of the trust between students and teachers. Students should familiarize themselves with the penalties for plagiarism and other forms of cheating.