

CSC-216 Intermediate C++ Programming

Three Rivers Community College

Syllabus

Spring 2010

Instructor Information:

- Instructor: Joe Johnson
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- Office hours: By arrangement (at this point). Start by sending me an email.

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++, 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%)
- Midterm Exam (20%)
- Final Exam (Cumulative) (30%)
- Participation in classroom/online discussions (10%)

Pre-requisites

- Intro to Programming with C++

Schedule

Lecture	Date	Topic	Reading Assignment
1	January 21	Review of Fundamentals: Part I: C++ Basics, Flow of Control, Function Basics	Chapters 1, 2, 3
2	January 28	Review of Fundamentals: Part II: Parameters and Overloading, Arrays	Chapters 4, 5
3	February 4	Structures and Classes	Chapter 6
4	February 11	Constructors and Other Tools	Chapter 7
5	February 18	Operator Overloading, Friends, and References	Chapter 8
6	February 25	Strings	Chapter 9
7	March 4	Pointers and Dynamic Arrays	Chapter 10
	March 11	Exam 1	
	March 18	Spring Break – no class	
8	March 25	Separate Compilation and Namespaces	Chapter 11
9	April 1	Streams and File I/O, Recursion	Chapters 12, 13

10	April 8	Inheritance, Polymorphism and Virtual Functions	Chapters 14, 15
11	April 15	Templates	Chapter 16
12	April 22	Linked Data Structures	Chapter 17
13	April 29	Exception Handling	Chapter 18
14	May 6	Standard Template Library	Chapter 19
	May 13	Exam 2	

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.