

**COSC-052 Computer Science II**

**Fall 2012 Course Schedule**

Required Text: Data Structures & Algorithms in C++, 2nd Ed., Goodrich, Tamassia, Mount

Recommended Text: C++ Programming From Problem Analysis to Program Design, 5th Ed., D.S. Malik

Week	Date	Topic	Chapters	Lecture#	Projects	Day	Date	
Week 1	27-Aug	Information Hiding, Operator Overloading	Malik: Chap. 12, 15		----	Monday	27-Aug	
	29-Aug			1		Wednesday	29-Aug	
Week 2	3-Sep	<i>Labor Day Holiday</i>		----	----	Monday	3-Sep	
	5-Sep	Vectors, Inheritance, Object Composition, Pointers, Classes, Virtual Functions, Abstract Classes, Operator Overloading, Polymorphism	Goodrich: Sections 2.2, 1.1; Malik: Chapters 10 (580-585), 12, 13, 14, 15	2	HWO Due	Wednesday	5-Sep	
10-Sep	3			Project #1 Assigned	Monday	10-Sep		
Week 3	12-Sep			4		Wednesday	12-Sep	
Week 4	17-Sep			5		Monday	17-Sep	
	19-Sep			6		Wednesday	19-Sep	
Week 5	24-Sep			7		Monday	24-Sep	
	26-Sep			8	Project #1 Due	Wednesday	26-Sep	
Week 6	1-Oct		9	Project #2 Assigned	Monday	1-Oct		
	3-Oct	<b>Exam #1</b>		10		Wednesday	3-Oct	
Week 7	8-Oct	<i>Columbus Day Holiday</i>		----	----	Monday	8-Oct	
	10-Oct	Exception Handling, Linked Lists, Self-Referential Classes, Template Classes, Stacks, Queues, Linear Search, Binary Search, Sorting, Algorithm Analysis, Asymptotic Notation	Goodrich: Sections 2.3, 2.4, 3.2, 3.3, 3.4, 4.1, 4.2, 5.1, 5.2; Malik: Chapters 15, 16, 18, 19	11		Wednesday	10-Oct	
Week 8	15-Oct			12	Project #2 Due, Project #3 Assigned	Monday	15-Oct	
	17-Oct			13		Wednesday	17-Oct	
Week 9	22-Oct			14		Monday	22-Oct	
	24-Oct			15		Wednesday	24-Oct	
Week 10	29-Oct			16		Monday	29-Oct	
	31-Oct			17	Project #3 Due	Wednesday	31-Oct	
Week 11	5-Nov		18	Project #4 Assigned	Monday	5-Nov		
	7-Nov	<b>Exam #2</b>		19		Wednesday	7-Nov	
Week 12	12-Nov	Recursion, Deques, Priority Queues	Goodrich: Sections 3.5, 5.3, 8.1, 8.2; Malik: Chapter 17	20		Monday	12-Nov	
	14-Nov			21		Wednesday	14-Nov	
19-Nov	22			Project #4 Due, Project #5 Assigned	Monday	19-Nov		
Week 13	21-Nov	<i>Thanksgiving Break</i>		----	----	Wednesday	21-Nov	
Week 14	26-Nov	Trees, Binary Trees, Binary Search Trees, Graphs, Standard Template Library	Goodrich: Sections 7.1, 7.2, 7.3, 10.1, Chapter 13; Malik: Appendix H	23		Monday	26-Nov	
	28-Nov			24		Wednesday	28-Nov	
Week 15	3-Dec			25		Monday	3-Dec	
	5-Dec			26		Wednesday	5-Dec	
	7-Dec			27	Project #5 Due	Friday	7-Dec	
Exam Days	10-Dec	<i>December 8th - December 11th Study Days</i>		----	----	Monday	10-Dec	
	11-Dec			----	----	Tuesday	11-Dec	
	12-Dec	<i>December 12th - December 20th Final Exams</i>		----	----	Wednesday	12-Dec	
	13-Dec			----	----	Thursday	13-Dec	
	14-Dec			----	----	Friday	14-Dec	
		<b>15-Dec</b>	<b>COSC - 052 EXAM #3</b>				<b>Saturday</b>	<b>15-Dec</b>
		16-Dec			----	----	Sunday	16-Dec
		17-Dec			----	----	Monday	17-Dec
		18-Dec	<i>December 12th - December 20th Final Exams</i>		----	----	Tuesday	18-Dec
		19-Dec			----	----	Wednesday	19-Dec
	20-Dec			----	----	Thursday	20-Dec	