

COSC-052 Computer Science II

Summer 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	9-Jul	Inheritance, Composition, Pointers, Classes, Virtual Functions, Abstract Classes, Lists, Operator Overloading, Templates, Exception Handling	<i>Goodrich:</i> <i>Sections 2.2, 1.1,</i> <i>2.3, 2.4; Malik:</i> <i>Chapters 13, 14,</i> <i>15, 16</i>	1	Project #1 Assigned	Monday	9-Jul
	10-Jul			2		Tuesday	10-Jul
	11-Jul			3		Wednesday	11-Jul
	12-Jul			4		Thursday	12-Jul
Week 2	16-Jul			5	Project #1 Due, Project #2 Assigned	Monday	16-Jul
	17-Jul			6		Tuesday	17-Jul
	18-Jul			7		Wednesday	18-Jul
Week 2	19-Jul	Exam #1		8		Thursday	19-Jul
Week 3	23-Jul	Recursion, Linked Lists, Stacks, Queues, Searching, Sorting, Algorithm Analysis, Asymptotic Notation	<i>Goodrich:</i> <i>Sections 3.5, 3.2,</i> <i>3.3, 3.4; Malik:</i> <i>Chapters 17, 18,</i> <i>19, 10</i>	9	Project #2 Due, Project #3 Assigned	Monday	23-Jul
	24-Jul			10		Tuesday	24-Jul
	25-Jul			11		Wednesday	25-Jul
	26-Jul			12		Thursday	26-Jul
Week 4	30-Jul			13	Project #3 Due, Project #4 Assigned	Monday	30-Jul
	31-Jul			14		Tuesday	31-Jul
	1-Aug	Exam #2		15		Wednesday	1-Aug
Week 4	2-Aug			16		Thursday	2-Aug
Week 5	6-Aug	Binary Trees, Graphs, Standard Template Library	<i>Goodrich:</i> <i>Sections 7.3, 6.2,</i> <i>5.2, 6.1, Chapter</i> <i>13; Malik:</i> <i>Appendix H</i>	17	Project #4 Due	Monday	6-Aug
	7-Aug			18		Tuesday	7-Aug
	8-Aug			19		Wednesday	8-Aug
	9-Aug			20		Thursday	9-Aug
Week 5	10-Aug	Exam #3		21		Friday	10-Aug
Week 6							