CNS 2420 - Object Oriented Data Structures
CNS 2420 Sec. 601 Spring 2015
This schedule is tentative, revised 1/2/2015

Date		Day	Clas	Activity	Topic
Jan	6	T	1	Lecture	Introduction
Jan	8	Th	2	Lecture	Recursive Thinking (Ch. 9)
Jan	13	T	3	Lecture	Algorithm Analysis and Big-O Notation(Ch.1)
Jan	**15**	**Th**	**4**	**Due**	**Program 1 - Recursion**
				Lecture	Pointer and Dynamic Arrays (Ch. 4)
Jan	20	T	5	Lecture	Linked Lists (Ch. 5)
Jan	22	Th	6	Lecture	Linked Lists (Ch. 5)
Jan	27	T	7	Lecture	Software Development with Template, Itrators, and the STL (Ch. 6)
Jan	**29**	**Th**	**8**	**Due**	**Program 2- Linked List**
				Lecture	Stacks (Ch. 7)
Feb	3	T	9	Lecture	Stacks (Ch. 7)
Feb	5	Th	10	Lecture	Queues (Ch. 8)
Feb	10	T	11	Lecture	Queues (Ch. 8)
Feb	**12**	**Th**	**12**	**Due**	**Program 3 - Stack and Queue**
				Lecture	Recursion Revisited (Ch. 9)
Feb	17	T	13	Lecture	Trees (Ch. 10)
Feb	19	Th	14	Lecture	Trees (Ch. 10)
Feb	24	T	15	Lecture	Review for Midterm Exam
Feb	**26**	**Th**	**16**		**Midterm Exam - Chapters 1, 4, 5, 6, 7, 8, 9**
Mar	3	T	16	Lecture	Returning Midterm Exam
Mar	5	Th	17	Lecture	Trees (Ch. 10)
Mar	10	T	18	Lecture	Balanced Trees (Ch. 11) / B-Tree
Mar	**12**	**Th**	**19**	**Due**	**Program 4 - AVL-Tree**
				Lecture	Balanced Trees (Ch. 11) / B-Tree
Mar	17	T	20	Lecture	Searching (Ch. 12)
Mar	19	Th	21	Lecture	Searching / Hashing (Ch. 12)
Mar	24	T	22	Lecture	Hashing(Ch. 12)
Mar	**26**	**Th**	**23**	**Due**	**Program 5 - Hashing**
				Lecture	Sorting (Ch. 13)
Mar	31	T	24	Lecture	Sorting (Ch. 13)
Apr	2	Th	25	Lecture	Graphs (Ch. 14)
Apr	7	T		**Spring Break**	
Apr	9	Th		**Spring Break**	
Apr	**12**	**Su**		**Due**	**Program 6 - Sorting**
Apr	14	T	26	**Lecture**	Graphs (Ch. 14)
Apr	16	Th	27	Lecture	Grapgs (Ch. 14)
Apr	21	T	28	Lecture	Graphs (Ch. 14)
Apr	**23**	**Th**	**29**	Lecture	Review for Final Exam
				Due	**Program 7 - Graphs**
Apr	**28**	**T**	**30**	**5-6:50 PM**	**Final Exam Chptares 10,11,12, 13, 14 in Class**