

**CMPS 5243 MW 4:00-5:20 TENTATIVE Schedule**

Week	Date	Material Covered
1	<b>Mon, Jan 15</b>	<b>No Classes MLK</b>
	Wed, Jan 17	Class Orientation - Recursion Review
2	Mon, Jan 22	Introduction to Complexity
	Wed, Jan 24	Big-O, P vs NP
3	Mon, Jan 29	Recurrences
	Wed, Jan 31	Recurrences
4	Mon, Feb 5	Review
	<b>Wed, Feb 7</b>	<b>Test 1</b>
5	Mon, Feb 12	Linear Search/Binary Search/Sorting $O(n^2)$
	Wed, Feb 14	Sorting $O(n \log n)$ - Quicksort/Mergesort
6	Mon, Feb 19	Sorting $O(n \log n)$ - Heaps/Heapsort
	Wed, Feb 21	Sorting $O(n \log n)$ - continued
7	Mon, Feb 26	Sorting $O(n)$ - Counting Sort
	Wed, Feb 28	Sorting $O(n)$ - Counting/Radix
8	Mon, Mar 4	Review
	<b>Wed, Mar 6</b>	<b>Test 2</b>
	<b>March 10-16</b>	<b>Spring Break - Have Fun!!!</b> (but not too much...)
9	Mon, Mar 18	Pointers/Linked Lists
	Wed, Mar 20	Pointers/Linked Lists
10	Mon, Mar 25	Binary Trees / Binary Search Trees
	Wed, Mar 27	AVL Trees
11	Mon, Apr 1	AVL Trees
	Wed, Apr 3	Red-Black Trees
12	Mon, Apr 8	Red-Black Trees
	Wed, Apr 10	Red-Black Trees
13	Mon, Apr 15	Review
	<b>Wed, Apr 17</b>	<b>Test 3</b>
14	Mon, Apr 22	A* Search
	Wed, Apr 24	A* / Hash Tables
15	Mon, Apr 29	Hash Tables
	Wed, May 1	Review
16	<b>Mon, May 6</b>	<b>Final Exam, 3:30-5:30 pm, Final will be in regular classroom and will be comprehensive</b>