Weekly Syllabus for CSC225 Fall 2022

Week - Dates	Lecture	Readings
1 – Sep. 8	Lect-1 - Intro	Grimaldi – sect. 1.1 to 1.4
	Lect-2 – Discrete Math	Griffialdi – Sect. 1.1 to 1.4
2 – Sep. 12 & 15	Lect-2 – Discrete Math	Grimaldi – sect. 5.5
	Lect-3 – Counting operations	Goodrich – pg. 1 to 9
3 – Sep. 22	Lect-3 – Counting operations	Goodrich – pg. 1 to 9
4 – Sep. 26 & 29	Lect-4 - Recursion	Grimaldi – sect. 4.1 and 4.2
	Lect-5 – Proofs	Goodrich – pg. 10, 19 to 25
5 – Oct. 3 & 6	Lect-6 – Big-Oh	Goodrich – pg. 11 to 18
	Lect-7 – Other Bigs	900d1c11 – pg. 11 to 18
6 – Oct. 13	Lect-8 - ADTs	Goodrich – sect. 2.1, 2.2, and 5.2
	Lect-9 – Sorting Intro	Sedgewick – sect. 2.1
7 – Oct. 17 & 20	Lect-10 - Mergesort	Goodrich – sect. 8.1 and 8.2
	Lect-11 - Quicksort	Sedgewick – sect. 2.2 and 2.3
8 – Oct. 27	Lect-12 - Priority Queues	Goodrich – 5.1 to 5.4, 8.3
	Lect-13 – Lower Bound Proof	Sedgewick – 2.2 and 2.4
9 – Oct. 31 & Nov. 3	Lect-14 – Bucket Sort	Goodrich – sect. 9.1, 2.3 and 3.1
	Lect-15 – BSTs	Sedgewick – 3.1 and 3.2
10 – Nov. 7	Lect-16 – 2-3 Trees	Goodrich – sect. 4.1 and 4.3
	Lect-17 – Red-Black Trees	Sedgewick – sect. 3.3
11 – Nov. 14 & 17	Lect-18 – Red-Black Trees	Sedgewick – sect. 3.3
	Lect-19 – Graphs	Grimaldi – sect. 11.1 and 11.2
12 – Nov. 21 & 24	Lect-20 – Graph ADT	Goodrich – sect. 13.1 and 13.2
	Lect-21 – DFS	Sedgewick – sect. 4.1
13 – Nov. 28 & Dec. 1	Lect-22 – BFS	Goodrich – sect. 13.3 and 13.4
	Lect-23 – Connectivity	Sedgewick – sect. 4.2
14 – Dec. 5	Lect-24 – Topological Sort	Goodrich – sect. 13.4
		Sedgewick – sect. 4.2