

Schedule for CMPS 6610/4610

(subject to change)

Monday	Tuesday	Wednesday	Thursday	Friday
8-29	8-30 <i>Analyzing algorithms (Ch. 2.2)</i>	8-31	9-1 <i>Asymptotic notations (Ch. 3, A)</i>	9-2
9-5	9-6 <i>Asymptotic notations (Ch. 3, A)</i>	9-7	9-8 <i>Heaps and heapsort (Ch. 6)</i> <i>Binary search trees (Ch. 12.1, 12.2, 13.2)</i>	9-9
<i>Labor Day</i>	HW 1 assigned			
9-12	9-13 <i>Divide-and-conquer (Ch. 2.3) and recurrences (Ch. 4.3, 4.4)</i>	9-14	9-15 <i>Divide-and-conquer (Ch. 2.3) and recurrences (Ch. 4.3, 4.4)</i>	9-16
	HW 1 due HW 2 assigned			
9-19	9-20 <i>Master theorem (Ch. 4.5, 4.6)</i>	9-21	9-22 <i>Randomized algorithms (Ch. 5.2), random variables and expected values (Ch. C.3)</i>	9-23
			HW 2 due HW 3 assigned	

9-26	9-27 <i>Quicksort (Ch. 7)</i> <i>Order Statistics (Ch. 9)</i>	9-28	9-29 <i>Dynamic Programming (Ch. 15.2-15.4)</i>	9-30
10-3	10-4 <i>Dynamic Programming (Ch. 15.2-15.4)</i>	10-5	10-6 <i>Greedy Algorithms (Ch. 16)</i>	10-7
	HW 3 due HW 4 assigned			
10-10	10-11 Catchup	10-12	10-13	10-14
	HW 4 due	<i>Yom Kippur</i>	<i>Fall Break</i>	<i>Fall Break</i>
10-17	10-18 Midterm	10-19	10-20 <i>Amortized Analysis (Ch. 17)</i>	10-21
	(Material until 10/4)			

10-24	10-25 <i>Graph Algorithms (Ch. 22)</i>	10-26	10-27 <i>Minimum Spanning Trees (Ch. 23)</i>	10-28
	HW 5 assigned			
10-31	11-1 <i>Fibonacci Heaps (Ch. 20)</i>	11-2	11-3 <i>Union-Find (Ch. 21)</i>	11-4
	HW 5 due HW 6 assigned			
11-7	11-8 <i>Single-source shortest paths (Ch. 24)</i>	11-9	11-10 <i>All-pairs shortest paths (Ch. 25)</i>	11-11
	HW 6 due HW 7 assigned			
11-14	11-15 <i>Maximum Flow (Ch. 26)</i>	11-16	11-17 <i>Maximum Flow (Ch. 26)</i>	11-18
	HW 7 due HW 8 assigned			

11-21	11-22 <i>P and NP (Ch. 34)</i>	11-23	11-24	11-25
	HW 8 due	<i>Thanksgiving Break</i>	<i>Thanksgiving Break</i>	<i>Thanksgiving Break</i>
11-28	11-29 <i>P and NP (Ch. 34)</i>	11-30	12-1 <i>Approximation algorithms (Ch. 35)</i>	12-2
	HW 9 assigned			
12-5	12-6 <i>Approximation algorithms (Ch. 35)</i>	12-7	12-8 <i>TBD</i>	12-9
	HW 9 due			
Final Exam Date: Saturday, Dec 17, 1pm-5pm				