We will follow the textbook *Introduction to Algorithms*, second edition, by Cormen, Leiserson, Rivest and Stein. The following schedule outlines the material to be covered during the semester and specifies the corresponding sections of the textbook. Selected topics not in the textbook will require reading from handouts.

Date	Topic	Quiz	Reading	Homework Assigned	Due
Tue 01/29	Review: Greedy Algorithms		16.1-16.4		
Thu 01/31	Review: Dynamic Programming		15.1-15.5	HW1	
Tue 02/05	Amortized Analysis		17.1-17.4		
Thu 02/07	Binomial Heaps		19.1-19.2	HW2	HW1
Tue 02/12	Fibonacci Heaps		20.1-20.4		
Thu 02/14	Fibonacci Heaps			HW3	HW2
Tue 02/19	Maximum Flow	**Quiz 1**	26.1-26.3		
Thu 02/21	Maximum Flow			HW4	HW3
Tue 02/26	Maximum Flow		handout		
Thu 02/28	Linear Programming		29.1-29.2	HW5	HW4
Tue 03/04	Linear Programming	**Quiz 2**	29.3		
Thu 03/06	NP-completeness		34.1-34.5	HW6	HW5
Tue 03/11	NP-completeness				
Thu 03/13	NP-completeness			HW7	HW6
Tue 03/18	*Spring Break*				
Thu 03/20	*Spring Break*				
Tue 03/25	Approximation Algorithms		35.1-35.5		
Thu 03/27	Approximation Algorithms			HW8	HW7
Tue 04/01	Approximation Algorithms				
Thu 04/03	Randomized Algorithms		handout	HW9	HW8
Tue 04/08	Randomized Algorithms	**Quiz 3**			
Thu 04/10	Randomized Algorithms			HW10	HW9
Tue 04/15	Sorting Networks		27.1-27.5		
Thu 04/17	Sorting Networks			HW11	HW10
Tue 04/22	Parallel Algorithms	**Quiz 4**	handout		
Thu 04/24	Parallel Algorithms			HW12	HW11
Tue 04/29	Parallel Algorithms				
Thu 05/01	Computational Geometry		35.1-35.2	HW13	HW12
Tue 05/06	Computational Geometry	**Quiz 5**	35.3-35.4		
Thu 05/08	Computational Geometry		handout		HW13
Tue 05/13	Review				
Tue 05/15	**Final Exam 1pm - 3pm**				