

Analysis of Algorithms 91.503 (Section 201)

Lecture Date	Topic	Reading	Homework
T 9/9	<i>Introduction/Overview</i> Algorithmic Paradigms: Dynamic Programming	Review 91.404 reading Ch 15	assign #1 (91.404 review & Ch15)
T 9/16*	Algorithmic Paradigms: Greedy	Ch 16	#1 due; assign #2 (Ch 16)
T 9/23	Amortized Analysis	Ch 17	#2 due; assign #3 (Ch 17)
T 9/30	Graph Algorithms: Shortest Paths	Ch 24-25	#3 due; assign #4 (Ch 24-26)
T 10/7	Graph Algorithms: Flow Networks	Ch 26	
T 10/14**	NP-Completeness	Ch 34	#4 due
T 10/21	<i>Midterm Exam</i>	<i>91.404 reading</i> <i>Ch 15-17, 24-26</i>	assign #5 (Ch 34)
T 10/28	Approximation Algorithms	Ch 35	#5 due; assign #6 (Ch 35)
T 11/4	Computational Geometry	Ch 33	#6 due; assign #7 (Ch 33)
T 11/18	Linear Programming	Ch 29	#7 due; assign #8 (Ch 29)
T 11/25	Number-Theoretic Algorithms:	Ch 31	#8 due; assign #9 (Ch 31)
T 12/2	Cryptography	Ch 32	#9 due; assign #10 (Ch 32)
T 12/9	String Matching <i>Final Review</i>	<i>91.404 reading</i> <i>Ch 15-17, 24-27, 29, 31-35</i>	#10 due
<i>To Be Determined</i>	<i>Final Exam</i>	<i>91.404 reading</i> <i>Ch 15-17, 24-27, 29, 31-35</i>	

Note we are using 2nd edition of textbook

**Math Quiz (closed book)*

**** Due to conference travel, this lecture must be rescheduled.**

Proposed date: Friday, 10 October, 5:30-8:00.

In this case, HW#4 will be due Friday, 17 October at 5:00.

Electronic homework submission is encouraged.