

CSE 794: Advanced algorithms
Spring 2009
(Dynamic Schedule)

Lectures	Materials	Scribe	Comments
March 31	Network flow, Ford-Fulkerson algo	Vineet Harabhajanka	
April 2	Edmonds-Karp algo, Push-relabel algo	Selvaraj Bernard	
April 7	Push-relabel algo, Bi-partite matching	George Bulwinkle	
April 9	Matrix mult and Polynomial operations	Chaitanya Chitale	
April 14	DFT-FFT	Steven Martin	
April 16	LP formulations	Rohit Dinakar	
April 21	Simplex algo	William Hartman	TP topic due
April 23	Duality	Wei Liu	
April 28	RK string algo	Zhixue Lu	
April 30	KMP string matching	Wenjing Ma	
May 5	Midterm		
May 7	No class		
May 12	Vertex cover and TSP approx.	Sreeram Potluri	
May 14	Set Cover	Rohit Prabhavalkar	
May 19	Subset-sum	Andrew Slatton	
May 21	Randomized algorithm I	Yuri Dimitrov	TP prelim draft due
May 26	Randomized algorithm II	Praneet Uppalapati	
May 28	Convex Hull	Pawas Ranjan	
May 28	Voronoi-Delaunay diagrams	Ravi Subramaniyan	
June 2	Segment intersections	Kuiyu Li	
June 4	Review		TP submission

Instructor: **Tamal K. Dey**, Room: **483 DL, 292-3563**.

Classes: **TR 11:00 at DL 713**

Office hours: **TR 12:30-1:00 pm., F 2:00-2:30 pm. or by appointment**

Grading Policy: **Scribing: 25% Midterm: 40% Term paper: 35%**

Text: **Introduction to Algorithms, T. Cormen, C. Leiserson and R. Rivest, MIT press, McGraw-Hill Book Company**

Course web-page

<http://www.cse.ohio-state.edu/~tamaldey/course/794>