

Tentative Schedule for Math 466/566 (Fall 2008)

Week	Lec #	Date	Details
1	1	Tue, Aug 26	intro to network models
	2	Thu, Aug 28	network representations
2	3	Tue, Sep 2	computational complexity
	4	Thu, Sep 4	graph search algorithms [HW 1 Due]
3	5	Tue, Sep 9	transformations and flow decompositions
	6	Thu, Sep 11	intro to shortest paths [HW 2 Due]
4	7	Tue, Sep 16	shortest paths: label setting algos
	8	Thu, Sep 18	shortest paths: label correcting algos [HW 3 Due]
5	9	Tue, Sep 23	more on shortest paths
	10	Thu, Sep 25	max-flow: basic algorithms [HW 4 Due]
6	11	Tue, Sep 30	max-flow min-cut theorem
	12	Thu, Oct 2	more on max-flow min-cut [HW 5 Due]
7	13	Tue, Oct 7	review for mid-term
	14	Thu, Oct 9	MIDTERM
8	15	Tue, Oct 14	<i>No class (Conference)</i>
	16	Thu, Oct 16	preflow-push algorithms
9	17	Tue, Oct 21	min-cost flows: basic algos
	18	Thu, Oct 23	successive shortest path algo [HW 6 Due]
10	19	Tue, Oct 28	network simplex algorithm
	20	Thu, Oct 30	network simplex, minimum spanning trees [HW 7 Due]
11	21	Tue, Nov 4	more on network simplex
	22	Thu, Nov 6	minimum spanning trees [HW 8 Due]
12		Tue, Nov 11	<i>No class - Veterans Day</i>
	23	Thu, Nov 13	review of linear programming
13	24	Tue, Nov 18	Lagrangian relaxation
	25	Thu, Nov 20	multi-commodity flows [Project due]
		Tue, Nov 25	<i>No class - thanksgiving</i>
		Thu, Nov 27	<i>No class - thanksgiving</i>
14	26	Tue, Dec 2	combinatorial optimization/other topics
	27	Thu, Dec 4	combinatorial optimization/other topics [HW 9 Due]
15	28	Tue, Dec 9	combinatorial optimization/other topics
	29	Thu, Dec 11	review [HW 10 Due]
16		Mon, Dec 15	Final exam due by 5:00 p.m.