

San Jose State University
Department of Mathematics, College of Science
Fall 2009
MATH 179, Introduction to Graph Theory
MW 13:30–14:45, MH 235
CALENDAR

DATE	DUE	TOPIC	SECTION COVERED
Aug 24		Introduction	
Aug 26		graph model and types of graphs	2.1 & 2.2
Aug 31		isomorphic graphs	2.3
Sept 2		graph operations	2.4
Sept 9	hw1	properties of trees	3.1
Sept 14		minimum weight spanning trees	3.2
Sept 16		bipartite graphs	3.3
Sept 21		matchings	3.4
Sept 23	hw2	distance in graphs	4.1
Sept 28		connectivity	4.2 & 4.3
Sept 30		Eulerian graphs	5.1
Oct 5	hw3	Hamiltonian graphs	5.2
Oct 7	hw4	test 1	
Oct 12		solution 1	
Oct 14		vertex coloring	6.1
Oct 21		edge coloring	6.2
Oct 26		applications	6.3
Oct 28	hw5	adjacency matrix	7.2
Nov 2		distance matrix	7.3
Nov 4	hw6	graph search	8.1
Nov 9		graph coloring	8.2
Nov 16		tree codes	8.3
Nov 18	hw7	plane graphs	9.1
Nov 23		planar graphs	9.2 & 9.3
Nov 25	hw8	directed graphs	10.1
Nov 30		network	10.2
Dec 2	hw9	test 2	
Dec 7		solution 2	
Dec 14 (M)		final (12:15–14:30)	comprehensive