

Schedule - Part 1: pre-Spring Break

Date	Topic	Book Sec	HomeWork	Exam/Quizz
7-Jan	Introduction; Basics of Semicustom Design	Sec. 1.1, 1.2, 1.3		
9-Jan	Full Custom Design v. Semicustom Design	Sec. 1.3, 1.4, 1.5		
14-Jan	Introduction to Partitioning	Sec 2.1, 2.2, 2.3		
16-Jan	Kernighan and Lin Partitioning Algorithm	Sec 2.3, 2.4.1		
21-Jan	MLK Day			
23-Jan	Fiducia-Matheyese Algorithm	Sec 2.4.2		
28-Jan	Gain Look Ahead Technique	Paper 1 (suppl)		
30-Jan	Ratio Cut and Other Methods	Paper 2 (suppl)		
4-Feb	Exam (20 mts); Introduction to Floorplanning	Sec 3.1, 3.2		Quizz #1 (20 mts)
6-Feb	Dual Graph Method of Floorplanning	Sec 3.3.4		
11-Feb	Simulated Annealing for Floorplanning	Sec 3.3.1	HW 1 (Due)	
13-Feb	Introduction to Placement	Sec 4.1, 4.2, 4.3		
18-Feb	Simulated Annealing for Std. Cell Placement	Sec 4.4.3		
20-Feb	Force-Directed Placement	Sec 4.4.4		
4-Mar	Passive Resistive Network Optimization	Paper 3 (suppl)		
6-Mar	Other Placement Techniques	Sec 4.5	HW 2 (Due)	

Homework is individual ; Quiz is of 20 minutes ; Final Project is individual