P653 FALL 2007: All homework assignments (list)

(see http://people.ccmr.cornell.edu/~clh/p653/hw.html)

Ex	out	due	Lec.	Name
				(*) means was handed out but not assigned
1-1	8/28	9/4	1.1/1.2	Fate of biased 1D walk
1-2	8/30	(*)	-"-	Generating function
1-3	-"-	9/4	-"-	Random walk with random traps
1-4	-"-	(*)	1.2?	Mean time of a 1D random walk
2-1	9/4	9/11	1.1+	Random walk of E. Coli
2-2	-"-	-"-	1.2	Random walker's lifetime)
3-1	9/13	9/18	1.3	A motor protein
3-2	-"-	-"-	2.1	1D Ising model via kinks
3-3	-"-	-"-	1.3	Channel protein (ultrashort)
3-4	-"-	(*)	1.3/2.1	Dynamics of a spin chain
4-1	9/17	9/25	2.4'	Energy correlation function (ultrashort)
4-2	-"-	(*)	-"-	Hyperscaling and correlation function (ultrashort)
4-3	-"-	9/25	-"-	Nonlinear susceptibility (ultrashort)
4-4	-"-	-"-	-"-	Structure factor (ultrashort)
4-5	-"-	-"-	2.3	Landau theory of Ising Tricritical Point (long)
5-1	9/25	10/2	2.6	Hierarchical lattice R.G.
5-2	-"-	-"-	2.7	Wilson-Fisher flow (short)
6-1	10/4	10/16	3.2	Smoluchowski's escape from the hole
7-1	10/29	11/7	3.2/3.4	Overdamped harmonic oscillator (short)
7-2	-"-	-"-	3.3	Spin motional narrowing
8-1	11/6	11/13	4.2	Pulling a polymer hard
9-1	11/15	11/20	2.1/4.1/5.3	The ice model
10-1	11/20	12/4	5.2	R.G. for locking