

DATE	TOPIC, keyword	PB	Kardar(P,F)	LMB	Other
Jan. 25	Review, availability, phase diagrams	1			
Jan. 27	<i>Snow closure</i>				
Feb. 1	Mean field, free energy expansion	3.1-3.4			
Feb. 3	Critical exponents in mean field, more Landau	3.5-3.8	F2	4.3	AlsNielsen&Birgeneau
Feb. 8	Ginzburg criterion; Potts, BEG, etc. models	3.9-3.11,4.1-4.3	F3		
Feb. 10	Virial expansion, distribution functns	5.1-5.2	P5.3,P3.3		
Feb. 15	Capillary waves, applications to steps	5.4			
Feb. 17	Density functional theory	5.5			
Feb. 22	2D Ising model, bit of series expan.	6.1-6.2	F7	4.1	
Feb. 24	Scaling	6.3-6.4	F4		
Mar. 1	Universality,	6.5-6.6	F8.3-8.4		
Mar. 3	Ising chain, fixed points	7.1-7.2			Kadanoff
Mar. 8	Position-space RG, decimation, TM	7.4-[7.5]	F6	4.4-4.5	Yeomans5,Chandler5.6,Goldenfeld9.6
Mar. 10					
Mar. 15					
Mar. 17	Flows, linearization, ϵ -expansion	7.6-7.7	F5		Goldenfeld9.2-9.4
Mar. 22/4	Spring Break				
Mar. 29	2D superlattices, types of disorder	7.5.2	F10.2,10.3		Schick, TLE reviews
Mar. 31	Kosterlitz-Thouless, roughening	6.6	F8.2-8.3, pr	obs 8.3,8.4	Kosterlitz papers
Apr. 5	Markov, Master eqn, birth-death	8.1-8.2			
Apr. 7	Kinetic phase trans., Fokker-Planck	8.3,8.6,8.6.1	F9.1		vanKampen8
Apr. 12	Langevin, Brownian		F9.1		vanKampen8
Apr. 14	1st passage, FP->Schro	7(not8.7.1-2),8.8.2			
Apr. 19	Diffusion: tracer vs. chemical				Gomer,Pathria
Apr. 21	Molecular dynamics	9.1			
Apr. 26	Monte Carlo-Metropolis; random #s	9.2	6.6	7	
Apr. 28	Jarzynski relations (presented by C. Jarzynski!)				
May 3	KMC, QMC, simulated annealing	9.3,9.5			
May 5	Linear response exact	12.1			
May 10	Boltzmann	12.4	P3.4	8.3	
May 12	Final 8-10am → 1:30-3:30pm (Rm. 1219)				

	Bose condensation	11.1	P7.6	5.5	
	Superfluidity, 4He	11.2	P7.7		
	Localization	13.1			
	Percolation	13.2			Stauffer
	Dynamics, spinodal decomp'n, linear stability				