Further details of schedule (Version Oct 9)

		Dates (Appx)	
Classical Mechanics (~5 weeks)			
Lagrangian and Hamiltonian formulations		9/27,10/2-4,10//9	
Legendre Transformations,Poisson Brackets		10//2-4	HW1
Conservation laws, Kepler's problem		10//9-11	
Canonical Transformations		10//11-16-18	
Bohr-Sommerfeld, phase space,Liouville Theorem		10//18-23	
Phase portraits, Poincare sections, Henon-Heiles		10//18-23	
Classical field theory (Elasticity)		10//25	
H-J theory, action angle variables		10//29-31	
Statistical Mechanics (~5 weeks)			
Thermodynamic potentials LT's		11//1	
Entropy and Equilibrium			
Standard Gibbs ensembles			
Free spins in a Zeeman field,			
Statistical Mechanics of Ideal Quantum gases			
Blackbody radiation, Heat capacity of solids			
Ideal Bose Condensation			
Ideal Fermi gas, Sommerfeld expansion at low T			

Nov 23 Thanksgiving: No class
Final Examination: December 11, 8AM to 11 AM (In class)

Number of classes: Sept 1, October 9, November 8, Dec 2   Total 20 classes
10 CM, 10 SM