

				Tentative Schedule			
	Date	Day	Time	Topic	Pages Goldstein	HW Set Due	
1	14-Jan	Tue	1:30 - 2:45	Review of Mechanics	1 - 12		
	16-Jan	Thu	1:30 - 2:45	Constraints and Lagrange's Equations	12 - 20		
2	21-Jan	Tue	1:30 - 2:45	Examples	20 - 31		
3	23-Jan	Thu	1:30 - 2:45	Forces of constraint, v-dependent Potentials	34 - 45		1
4	28-Jan	Tue	1:30 - 2:45	Hamilton's Principle, Lagrange Multipliers	45 - 54		
5	30-Jan	Thu	1:30 - 2:45	Conservation Theorems	54 - 68		
6	4-Feb	Tue	1:30 - 2:45	Central Force Problem: General	70 - 87		2
7	6-Feb	Thu	1:30 - 2:45	Central Force Problem: Kepler	92 - 102		
8	11-Feb	Tue	1:30 - 2:45	Oscillations	238 - 247		
9	13-Feb	Thu	1:30 - 2:45	Solutions	250 - 258		3
10	18-Feb	Tue	1:30 - 2:45	Rotations: Matrices and Euler Angles	134 - 154		
11	20-Feb	Thu	1:30 - 2:45	Finite and infinitesimal rotations	155 - 171		4
12	25-Feb	Tue	1:30 - 2:45	Vector rotation, Coriolis force	171 - 182		
13	27-Feb	Thu	1:30 - 2:45	Angular momentum and Inertia tensor	184 - 198		5
14	3-Mar	Tue	1:30 - 2:45	Rigid Body rotation	198 - 208		
15	5-Mar	Thu	1:30 - 2:45	Precession and Nutation	208 - 223		6
	10-Mar	Tue	No class	<i>Spring Break</i>			
	12-Mar	Thu	No class	<i>Spring Break</i>			
16	17-Mar	Tue	1:30 - 2:45	Hamilton Equations of Motion	334 - 347		MIDTERM EXAM
17	19-Mar	Thu	1:30 - 2:45	Variational Principles	353 - 363		
18	24-Mar	Tue	1:30 - 2:45	Phase Space and Liouville Theorem	419-421		
19	26-Mar	Thu	1:30 - 2:45	Canonical Transformations	368 - 381		7
20	31-Mar	Tue	1:30 - 2:45	Symplectic Approach	381-388		
21	2-Apr	Thu	1:30 - 2:45	Poisson Brackets	388 - 408		8
22	7-Apr	Tue	1:30 - 2:45	Selected Topics: Continuum Mechanics	558 - 566		
23	9-Apr	Thu	1:30 - 2:45	Special Theory of Relativity	276 - 297		9
24	14-Apr	Tue	1:30 - 2:45	Forces + Collisions	297 - 309		
25	16-Apr	Thu	1:30 - 2:45	Lagrangian Formulation	312 - 324		10
26	21-Apr	Tue	1:30 - 2:45	Relativistic Hamiltonian, E&M	349 - 353		
27	23-Apr	Thu	1:30 - 2:45	Summary and Review			11
28	28-Apr	Tue	No class	<i>Reading Day</i>			Participation Project
	30-Apr	Thu	12:30 - 3:30	FINAL EXAM			