

Tentative schedule - Check course website for updates.				
Physics 410 - Spring 2019 - Prof. Hall			Suggested reading:	
Week	Date	Lecture Topics	(Taylor)	Homework Due
1	29-Jan	Introduction	Ch. 1	
	31-Jan	Newton's Laws	Ch. 1	
	1-Feb	Projectiles and drag	Ch. 2	
2	5-Feb	Charged particles	Ch. 2	1
	7-Feb	Momentum	Ch. 3	
	8-Feb	Work-Energy Theorem	Ch. 4	
3	12-Feb	1D potentials	Ch. 4	2
	14-Feb	1D oscillations	Ch. 5	
	15-Feb	1D oscillations	Ch. 5	
4	19-Feb	Exam 1 review (Ch. 1 - 5)		3
	21-Feb	Exam 1 (Ch. 1 - 5)		
	22-Feb	Lagrangian Mechanics	Ch. 7	
5	26-Feb	Lagrangian Mechanics	Ch. 7	
	28-Feb	Lagrangian Mechanics	Ch. 7	
	1-Mar	Lagrangian Mechanics	Ch. 7	
6	5-Mar	Hamilton's Principle & Calculus of Variations	Ch. 6	4
	7-Mar	Hamilton's Principle & Calculus of Variations	Ch. 6	
	8-Mar	Hamilton's Principle & Calculus of Variations	Ch. 6	
7	12-Mar	Hamiltonian Mechanics & Scattering	Ch. 13 & 14	5
	14-Mar	Hamiltonian Mechanics & Scattering	Ch. 13 & 14	
	15-Mar	Hamiltonian Mechanics & Scattering	Ch. 13 & 14	
Spring Break				
8	26-Mar	Exam 2 review (Ch. 6,7,13)		6
	28-Mar	Exam 2 (Ch. 6,7,13)		
	29-Mar	Central Force Motion	Ch. 8	
9	2-Apr	Central Force Motion	Ch. 8	
	4-Apr	Central Force Motion	Ch. 8	
	5-Apr	Rigid Body Kinematics	Ch. 10	
10	9-Apr	Rigid Body Kinematics	Ch. 10	7
	11-Apr	Rigid Body Kinematics	Ch. 10	
	12-Apr	Rigid Body Kinematics	Ch. 10	
11	16-Apr	Rigid Body Dynamics	Ch. 10	8
	18-Apr	Rigid Body Dynamics	Ch. 10	
	19-Apr	Rigid Body Dynamics	Ch. 10	
12	23-Apr	Exam 3 review (Ch. 14, 8, 10)		9
	25-Apr	Exam 3 (Ch. 14, 8, 10)		
	26-Apr	Non-inertial frames	Ch. 9	
13	30-Apr	Non-inertial frames	Ch. 9	
	2-May	Non-inertial frames	Ch. 9	
	3-May	Non-inertial frames	Ch. 9	
14	7-May	Special relativity	Ch. 15	10
	9-May	Special relativity	Ch. 15	
	10-May	Special relativity	Ch. 15	
15	14-May	Exam review		11
	16-May	Final Exam: 8-10:00 am in PHYS 0405		