

Classical Mechanics Phys 6321: Spring 2019

#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	FRI	Jan 18	Classes begin	0	Introduction and course overview
2	MON	Jan 21	MLK Holiday		
3	WED	Jan 23		1	Survey of Elementary Principles
4	FRI	Jan 25			
5	MON	Jan 28		2	Variational Principles
6	WED	Jan 30			
7	FRI	Feb 01		2	Lagrange Equations
8	MON	Feb 04			
9	WED	Feb 06		3	Central Force Problem
10	FRI	Feb 08			
11	MON	Feb 11		3	Scattering Theory
12	WED	Feb 13			
	THUR	Feb 14	EXAM 1		Exam
13	FRI	Feb 15		4	Rigid Body Motion
14	MON	Feb 18			
15	WED	Feb 20		4	Group Theory & Rubik's Cube
16	FRI	Feb 22			
17	MON	Feb 25		5	Rigid Body Equations of Motion
18	WED	Feb 27			
19	FRI	Mar 01		6	Small Oscillations
20	MON	Mar 04			Differential Equations
21	WED	Mar 06			Fourier Transforms
	FRI	Mar 08			
	MON	Mar 11	Spring break		
	WED	Mar 13	Spring break		
22	FRI	Mar 15	Spring break		
23	MON	Mar 18		6	Green's Functions
24	WED	Mar 20			
	THUR	Mar 21	EXAM 2		
25	FRI	Mar 22		7	Special Relativity
26	MON	Mar 25			
	WED	Mar 27			Relativistic Invariants
27	FRI	Mar 29			
28	MON	Apr 01			Relativistic Transformations
29	WED	Apr 03			
30	FRI	Apr 05		8	Hamilton's Equations

31	MON	Apr 08	Drop Day		
32	WED	Apr 10			
	THUR	Apr 11	EXAM 3		
33	FRI	Apr 12		9	Canonical Transformations
34	MON	Apr 15			
35	WED	Apr 17		10	Hamilton Jacobi Theory
36	FRI	Apr 19	Good Friday		
37	MON	Apr 22			
38	WED	Apr 24			Action Angle Variables
39	FRI	Apr 26			
40	MON	Apr 29		11	Chaos
41	WED	May 01			
42	FRI	May 03			Exam review
	MON	May 06	Last class		
	FRI	May 10	FINAL EXAM	Friday May 10,2019, 8am - 11am	
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					