	Classical Mechanics Phys 6321: Spring 2024				
#	**DAY**	**LECTURE:**	**NOTES:**	**Chpt**	TOPIC
1	WED	Jan 17, 24	Classes begin	0	Introduction and course overview
2	FRI	Jan 19, 24			
3	MON	Jan 22, 24		1	Survey of Elementary Principles
4	WED	Jan 24, 24			
5	FRI	Jan 26, 24		2	Variational Principles
6	MON	Jan 29, 24			
7	WED	Jan 31, 24		2	Lagrange Equations
8	FRI	Feb 2, 24			
9	MON	Feb 5, 24		3	Central Force Problem
10	WED	Feb 7, 24			
11	FRI	Feb 9, 24		3	Scattering Theory
12	MON	Feb 12, 24			
	WED	Feb 14, 24	EXAM 1		Exam
13	FRI	Feb 16, 24		4	Rigid Body Motion
14	MON	Feb 19, 24			
15	WED	Feb 21, 24		4	Group Theory & Rubik's Cube
16	FRI	Feb 23, 24			
17	MON	Feb 26, 24		5	Rigid Body Equations of Motion
18	WED	Feb 28, 24			
19	FRI	Mar 1, 24		6	Small Oscillations
20	MON	Mar 4, 24			Differential Equations
21	WED	Mar 6, 24			Fourier Transforms
	FRI	Mar 8, 24			
	MON	Mar 11, 24	Spring break		
	WED	Mar 13, 24	Spring break		
22	FRI	Mar 15, 24	Spring break		
23	MON	Mar 18, 24		6	Green's Functions
24	WED	Mar 20, 24			
	FRI	Mar 22, 24	EXAM 2		
25	MON	Mar 25, 24		7	Special Relativity
26	WED	Mar 27, 24			
	FRI	Mar 29, 24	Good Friday		Relativistic Invariants
27	MON	Apr 1, 24			
28	WED	Apr 3, 24			Relativistic Transformations
29	FRI	Apr 5, 24			
30	MON	Apr 8, 24		8	Hamilton's Equations
31	WED	Apr 10, 24	Drop Day		
32	FRI	Apr 12, 24			
	MON	Apr 15, 24	EXAM 3		
33	WED	Apr 17, 24		9	Canonical Transformations
34	FRI	Apr 19, 24			
35	MON	Apr 22, 24		10	Hamilton Jacobi Theory
36	WED	Apr 24, 24			Action Angle Variables
37	FRI	Apr 26, 24			
38	MON	Apr 29, 24		11	Chaos
39	TUE	Apr 30, 24	Last Class		Exam review
	FRI		**FINAL EXAM**	**Wednesday May 8,2024, 8am – 11am**	
	Adjustments may be made depending on student interests/needs and unplanned events				