7A Spring 2020 Course Schedule

Week	Dates	Lecture Topics	Giancoli	Discussion	Lab	HW
1	Jan 21-24**	Introduction, Vectors, 1D Kinematics	1,2	Math Review, WS 1	Kinematics 1	Intro to MP
2	Jan 27-31	2D and 3D Motion, Force	3,4	WS 2, 3	Kinematics 2	Ch 1,2
3	Feb 3-7	Newton's Laws	4	WS 4, 5		Ch 3,4
4	Feb 10-14	Newton's Laws, Friction	5	WS 6	Dynamics	Ch 4,5
5	Feb 18-21	Gravitation	6	WS 7, 18		Ch 5,6
6	Feb 24-28** (M)	Work and Energy	7	WS 8		Ch 6,7
7	Mar 2-6	Conservation of Energy	8	WS 9		Ch 7,8
8	Mar 9-13	Linear Momentum	9	WS 10a, 10b	Collisions	Ch 8,9
9	Mar 16-20	Rotational Kinematics and Dynamics	10	WS 11, 14	Rotations	Ch 9,10
	Mar 23-27	**Spring Break!**				
10	Mar 30-Apr 3	Angular Momentum S	11	WS 15, 16		Ch 10,11
11	Apr 6-10 (M)	Statics, Fluids	12,13	WS 13, 20		Ch 11,12
12	Apr 13-17	Fluids, Oscillations	13,14	WS 21		Ch 12,13
13	Apr 20-24	Oscillations	14	WS 17	Oscillations	Ch 13,14
14	Apr 27-May 1	Waves and Sound	15,16	WS 19	Waves	Ch 14,15
	May 4-8	**RRR week**				
	May 11-15	**Final Exam, Thursday 5/14 Lecture 2 7-10 PM Lecture 3 8-11 AM Location TBA**				

Midterm 1	Midterm 2
Tuesday, 2/25 7-9 PM	Tuesday 4/7 7-9 PM

******Jan 21 and Feb 17 (both Mondays) are university holidays **(M)** stands for Midterm Exam. Midterms are Tuesday, 2/25 and Tuesday 4/7, both from 7-9 pm. The location will be determined by your section number and will be communicated closer to the midterm exam date.

IMPORTANT NOTE: This is a tentative schedule, and may be changed as the semester goes on. Expect lecture, discussion, and homework to be up to a week ahead or behind this schedule. **Lab dates** will not change.

Giancoli Chapters

1 Intro, Measurement, Estimation
2 1D Kinematics
3 2D and 3D Kinematics
4 Newton's Laws
5 Friction, Circular Motion
6 Gravitation
7 Work and Energy
8 Conservation of Energy
9 Linear Momentum
10 Rotational Motion
11 Angular Momentum
12 Statics
13 Fluids
14 Oscillations
15 Waves
16 Sound

List of worksheets and topics

1 Position, Velocity, Acceleration
2 One-dimensional Kinematics
3 Two-dimensional Motion I
4 Two-dimensional Motion II
5 Force and Newton's Laws
6 Friction
7 Centripetal Motion
8 Work and Kinetic Energy
9 Conservation of Energy
10a Center of Mass and Collisions I
10b Impulse, Momentum, and Collisions II
11 Introduction to Rotation
13 Statics
14 Rotational Energy
15 Rotational Dynamics
16 Angular Momentum
17 Oscillations
18 Gravitation
19 Waves
20 Fluid Statics
21 Fluid Dynamics