

2019-2020 SPRING SEMESTER PHYSICS-1 WEEKLY COURSE PLAN

WEEK	DATES	TOPICS	EXPLANATIONS Serway Beichener (Ch.)
1	03 -07 February	Physics and Measurements, Vectors	(1.1, 1.4-5, 1.7) (3.1-4, 7.2, 11.2)
2	10-14 February	Motion and Kinematic Equations (1D, 2D 3D Motion)	(2.1-3) (2.5-6) (4.1-6)
3	17 -21 February	The Laws of Motion	(5.1-8)
4	24 -28 February	Circular Motion & Other Applications of Newton's Law	(6.1-3)
5	02-06 March	Work & Kinetic Energy, Potential Energy & Conservation of Energy	(7.1-5) (8.1-6, 8.8)
6	09-13 March	Potential Energy & Conservation of Energy	(8.1-6, 8.8)
7	16-20 March	Linear Momentum & Collisions	(9.1-5)
8	23-27 March	MIDTERM	
9	30 March-3April	Linear Momentum & Collisions	(9.6-7)
10	6-10 April	Rotation of a Rigid Object About a Fixed Axis	(10.1-8)

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11	13-17 April	Rotational Motion and Angular Momentum	(11.1, 3-5)
12	20-24 April	Rotational Motion and Angular Momentum, Static Equilibrium	(11.5) (12.1-3)
13	27 April-1 May	Vibrational Motion	(13.1-5)
14	4-8 May	MAKE-UP EXAM	
15		FINAL EXAM	

Textbooks:

1) Serway . Beichener , Physics-1, Physics for Scientists and Engineers, Fifth Editon

Course Grading System:

2 Midterm (60%) and Final (40%)