

PHYSICS 105 TOPICS, TEXT READING ASSIGNMENTS and RECITATION PROBLEMS

Lecture	Subject	Reading Assignment	Recitation Problems
Week 1 1/22 – 1/25	Introduction	B1, Ch.1	B1: 3 4 9 12 15 21 24 31 35 39
Week 2 1/28 – 2/1	Motion in One Dimension	B1, Ch.2	B1: 5 17 21 29 35 39 47 51 576
Week 3 2/4 – 2/8	Vectors	B1, Ch. 3, Sec. 1-3 B2, Ch. 3, Sec. 4	B1: 5 11 17 19 24 27 33 39 55
Week 4 2/11 – 2/15	Projectile Motion (2-D) Relative Motion	B1, Ch. 3, Sec. 4-5	B1: 5 8 12 13 19 21 28 30
Week 5 2/18 – 2/22	Newton's Laws of Motion	B1, Ch.4, Sec. 1-4	B1: 11 14 23 27 34
Common Exam #1 – Friday 2/22 8:30-9:45 (INCLUDES B1, Ch. 1-3)			
Week 6 2/25 – 2/29	Application of Newton's Laws Friction	B1, Ch. 4, Sec. 5-6	B1: 30 37 45 57 63 67
Week 7 3/3/- 3/7	Circular Motion Centripetal Forces	B2, Ch. 6, Sec. 1-2	B2: 1 5 6 8 9 13 14 15 17
Week 8 3/10 – 3/14	More Applications of Newton's Laws	B2, Ch. 6, Sec. 3-4	B2: 21 23 43 44 50 52 53 55 61
Common Exam #1 – Friday 3/14 8:30-9:45 (INCLUDES B1, Ch. 3-4 and B2, Ch. 6) 3/17 – 3/21: SPRING BREAK			
Week 9 3/24 – 3/28	Work and Kinetic Energy, Work-Energy Theorem	B1, Ch. 5, Sec. 1-2 B2, Ch. 7, Sec. 3	B1: 1 7 8 9 12 17 18 B2: 2 3 6 7 8 9
3/31: Last day to withdraw from class			
Week 10 3/31- 4/4	Potential Energy (Gravitation + Spring)	B1, Ch. 5, Sec. 3-4 B2, Ch. 7, Sec 6	B1: 19 23 24 B2: 17 18 20 21 50 54 55 59 63
Week 11 4/7 – 4/11	Energy Conservation Power	B2, Ch. 8, Sec. 1-4 B1, Ch. 5, Sec. 6	B2: 3 7 8 13 15 17 B1: 28 31 32 33 34 35 45
Common Exam #3 – Friday 4/11, 8:30-9:45 (INCLUDES B1, Ch. 5 and B2, Ch. 7-8)			
Week 12 4/14 – 4/18	Collisions and Impulse Conservation of Momentum	B2, Ch. 9, Sec. 1-2 B1, Ch. 6, Sec. 1-4	B1: 1 4 5 7 8 10 15 16 18 19 25 B2: 1 2 4 6 13 14 15 20 21
Week 13 4/21 – 4/25	Collisions in 2-D, Center of Mass, Motion of System of Particles	B2, Ch. 9, Sec. 4-6	B2: 27 28 31 35 36 37 41 42 44 B1: 26 27 28 30 37 45 50
Week 14 4/28 – 5/2	Review (Lecture) Review Problems (Recitation)		

**Monday 5 May – Last Day of Classes
FINAL EXAM (Comprehensive) – Date to be determined**