

Physics 105 Section 001 and 003
Fall 2009

PHYSICS 105 TEXT READING ASSIGNMENTS and RECITATION PROBLEMS

Lecture	Subject	Reading Assignment	Recitation Problems
<i>Aug. 31 - Sept 4</i>			
1	Introduction.	B1, Ch.1	B1: 1, 9, 14, 17, 21, 22, 27, 31, 35, 39, 43
<i>Sept 8- Sept 11 (No classes Monday Sept. 7 – Labor Day)</i>			
2	Motion in One Dimension.	B1, Ch. 2	B1: 1, 5, 6, 7, 11, 19, 20, 21, 27, 29, 32
<i>Sept 14 – Sept 18</i>			
3	Vectors	B1, Ch. 3, S. 1-3	B1: 2, 3, 5, 6, 7, 11, 15, 17, 24, 27, 32, 58, 59
<i>Sept 21 – Sept 25</i>			
4	Projectile Motion Relative Velocity	B1, Ch 3, S. 4-5, B1	B1: 2, 6, 12, 13, 14, 16, 19, 26, 27, 29, 30
<i>Sept 28 – Oct 2</i>			
5	The Laws of Motion	B1, Ch. 4, S. 1-4	B1: 2, 8, 9, 11, 14, 16, 17
Common Exam 1: Fri, October 2nd (B1, Chapters 1 – 3)			
<i>Oct 5 – Oct 9</i>			
6	Applications of Newton's Forces of Friction.	B1, Ch 4, S. 5-6	B1: 35, 36, 37, 38, 45, 46, 47, 48, 49, 58, 63
<i>Oct 12 – Oct 16</i>			
7	Circular Motion Centripetal Forces	B2, Ch. 6, S. 1-2	B2: 1, 5, 7, 8, 9, 10, 15, 17, 53
<i>Oct 19 – Oct 23</i>			
8	Other Applications of Newton's Laws	B2, Ch. 6, S. 3-4	B2: 21, 23, 43, 44, 50, 52, 53, 55, 61
<i>Oct 26 – Oct 30</i>			
9	Work. Kinetic Energy & The Work-Energy Theorem. The Scalar Product of Two Vectors.	B1, Ch. 5, S. 1-2 B2, Ch. 7, S. 3	B1: 1, 7, 8, 9, 12, 17, 18
Common Exam 2: Fri, October 30th (B1: Ch. 4 ; B2: Ch. 6)			
<i>Nov 2 – Nov 6 (11/3: Last day to withdraw from class)</i>			
10	Gravitational Energy Spring Potential Energy. Potential Energy.	B1, Ch. 5, S. 3-4 B2, Ch. 7, S. 6	B1: 5, 6, 7, 13, 18, 19, 60, 63, 68, 69

Nov 9 – Nov 13

11	Systems & Energy Conservation	B1, Ch.5, S. 6 B2, Ch. 8, S.1-4	B1: 28, 31, 32, 32, 33, 34, 35, 45 B2: 3, 7, 8, 13, 15, 17
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Nov 16 – Nov 20

12	Power Work done by a Varying Force	B1, Ch. 5, S. 6 B2, Ch. 8, S. 5	B1: 48, 51, 53, 54 B2: 28, 29, 30, 32, 34, 37, 38, 43, 44, 45
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Common Exam 3: Fri, Nov 20th (B1: Ch.5, B2: Ch. 7 & 8)

Nov 23 – Nov 25

13	Collisions and Impulse Conservation of Momentum.	B2, Ch. 9, S. 1-3 B1, Ch. 6, S.1-4	B1: 1,2, 4,, 14 , 16,17,20 B2: 1, 2, 4, 6, 13, 14, 15, 20, 21
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Thanksgiving Recess Nov. 26-29 - No Classes Scheduled
11/24 (Tuesday) follows Thursday schedule

Nov 30 – Dec 4

14	Collisions in Two Dimensions. Center of Mass. Motion of a System Of Particles.	B2, Ch. 9, S. 4-6	B1: 27, 28, 30, 32, 37, 40, 41, 48 B2: 27, 28, 31, 35, 36, 37, 41, 42, 44, 67
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Dec 7 – Dec 9

15	Review for Final	<i>Dec 10 – Reading Day</i>
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Dec 11 – Dec 17

Final Exam (Comprehensive); date to be announced