

## PHYSICS 105 TEXT READING ASSIGNMENTS and RECITATION PROBLEMS

Lecture	Subject	Reading Assignment	Recitation Problems
<i>Sept 2- Sept 7</i> 1	Introduction.	B1, Ch.1	B1: 1, 9, 14, 17, 21, 22, 27, 31, 35, 39, 43
<i>Sept 8- Sept 14</i> 2	Motion in One Dimension.	B1, Ch. 2	B1: 1, 5, 6, 7, 11, 19, 20, 21, 27, 29, 32
<i>Sept 15 – Sept 21</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 22 – Sept 28</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 29 – Oct 5</i> 5	The Laws of Motion	B1, Ch. 4, S. 1-4	B1: 2, 8, 9, 11, 14, 16, 17
<b>Common Exam 1:</b> Fri, October 3th (Chapters 1 – 4)			
<i>Oct 6 – Oct 12</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 13 – Oct 19</i> 7	Circular Motion Centripetal Forces	B2, Ch. 6, S. 1-2	B2: 1, 5, 7, 8, 9, 10, 15, 17, 53
<i>Oct 20 – Oct 26</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 27 – Nov 2</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
<b>Common Exam 2:</b> Fri, October 31(B1: Ch. 4 ; B2: Ch. 6)			
<i>Nov 3 – Nov 9</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 10 – Nov 16*

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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**Common Exam 3:** Fri, Nov 21 (B1: Ch.5, B2: Ch. 7 & 8)

*Nov 17 – Nov 23*

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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*Nov 24 – Nov 30*

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. 27-30 - No Classes Scheduled***

*Dec 1 – Dec 7*

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 8 – Dec 10*

15 Review for Final

*Note: Mon, Dec 12 is the Last Day of class;  
Dec 11-12 - Reading Days*

*Dec 15 - Dec 19*

Final Exam (Comprehensive); date TBA