

Physics 1407 Homework Fall 2001

Date	Lecture Topic	Problems	Due
Aug 23	Introduction and Describing Motion	Chap. 2: CQ: 1, 10, P: 6, 8, 10, 12	30 Aug
Aug 28	Describing Motion	Chap 2. P: 21, 25, 28, 31, 32.	6 Sep
Aug 30	Falling Bodies	Chap 2. CQ: 13, P: 38, 48, 59, 61, 65	6 Sep
Sep 4	Vectors	Chap 3. CQ: 4, 7, 11. P: 5, 11, 24,	13 Sep
Sep 6	Projectile Motion	Chap 3. P: 28, 29, 30, 35, 37	13 Sep
Sep 11	Newton's Laws of Motion	Chap 4. CQ 1, 21. P: 6, 8, 10, 15	20 Sep
Sep 13	Gravitation	Chap 4. CQ 10. P: 21, 25, 26.	20 Sep
Sep 14	Test 1	Ch. 2, 3.	
Sep 18	Circular Motion	Chap 5. CQ: 5, 14. P: 3, 10, 15, 51.	27 Sep
Sep 20	Work and Energy	Chap 6. CQ: 4, 10. P: 19.	27 Sep
Sep 25	Energy Conservation and Power	Chap 6. CQ: 16. P: 26, 29, 32, 59.	4 Oct
Sep 27	Impulse and Momentum	Chap 7. CQ: 3, 8. P: 6, 12, 16, 21.	4 Oct
Oct 2	Collisions	Chap. 7. CQ: 6, 10. P: 5, 19, 26, 30, 35.	11 Oct
Oct 4	Describing Rotational Motion	Chap 8. CQ: 8. P: 6, 12, 26.	11 Oct
Oct 5	Test 2	Ch. 4, 5, 6, 7.1-2.	
Oct 9	Centripetal Acceleration	Chap 8. CQ: 4, 10. P: 28, 33, 44.	18 Oct
Oct 11	Rigid Bodies and Rotation	Chap 9. CQ: 10, 14. P: 3, 12, 15, 16.	18 Oct
Oct 16	Fall break, no lecture.		
Oct 18	Rotational Motion	Chap 9. CQ: 5. P: 30, 34, 44, 55.	Oct 25
Oct 23	Why Things Float	Chap 11. CQ: 3, 5. P: 6, 16, 21, 22, 25	1 Nov
Oct 25	Bernoulli's Equation	Chap 11. P: 32, 44, 51, 61, 63	1 Nov
Oct 30	Simple Harmonic Motion	Chap 10. CQ: 2, 7. P: 6, 7, 18, 20	8 Nov
Nov 1	Yet More Simple Harmonic Motion	Chap 10. CQ: 17, 18. P: 34, 39, 42	8 Nov
Nov 2	Test 3	Ch. 8, 9, 11	
Nov 6	Waves and Sound	Chap 16. CQ: 3, 12. P: 6, 9, 19, 40	15 Nov
Nov 8	More Waves and Sound	Chap 17. CQ: 12. P: 4, 8, 30, 34	15 Nov.
Nov 13	Ideal Gas Law, Kinetic Theory	Chap 14. CQ: 9. P: 14, 19, 21, 29, 35	29 Nov
Nov 15	Temperature and Thermal Expansion	Chap 12. CQ: 3, 12. P: 14, 17, 32	29 Nov
Nov 20	Heat Transfer	Chap 12. CQ: 20. P: 40, 46, 54, 55	29 Nov
Nov 22	Thanksgiving		
Nov 27	1st Law of Thermodynamics	Chap 15. CQ: 5. P: 2, 3, 6	4 Dec
Nov 29	Heat capacity, 2nd Law of Thermo	Chap 15. CQ: 20. P: 44, 49, 61, 64.	4 Dec
Nov 30	Test 4	Ch. 10, 12, 13, 14, 16, 17	
Dec 4	Special Topics	End of homework	