

Syllabus - Fall 2008 - Physics 140 –Prof. B.G. Orr

Lecture Date	Lecture Subject	Chapter: Section to read	Suggested Questions	Suggested problems
Sept 2	Linear kinematics	1 and 2	2: 12,13	2:15,29,31,40,88
Sept 4	Vectors/Relative motion	3:1,2,5	3: 6, 9	3:17,23,46,49,57
Sept 8	Set #1 due			
Sept 9	Projectiles	3: 3	3, 13	15, 39, 31, 51
Sept 11	Circular motion/ Rel. Motion	3:4,5	12	68, 71, 82, 87
Sept 15	Set #2 due			
Sept 16	Newton's laws & applications	4	1, 14	18, 37, 40, 48
Sept 18	More applications	5: 1,2	15	56, 63, 64, 69
Sept 22	Set #3 due			
Sept 23	Friction	5: 3	1, 7	9, 27, 38, 39
Sept 25	Circ. motion revisited	5: 4	10, 11	58, 59, 66, 70
Sept 29	Set #4 due			
Sept 30	Kinetic energy/Work	6: 1, 2	8	14, 16, 25, 26
Oct 2	Springs/Power	6: 3	15	29, 34, 37, 51
Oct 2	midterm exam 6-7:30 PM Chapters 1 - 5			
Oct 6	Set #5 due			
Oct 7	Potential energy	7: 1,2	1, 6	10, 33, 45, 48
Oct 9	Energy conservation	7: 3,4,5	13	59, 69, 76, 89
Oct 13	Set #6 due			
Oct 14	Particle sys/Momentum I	8: 1,2,5	6	3, 23, 29, 38, 39
Oct 16	Collisions	8: 3,4	10	17, 26, 29, 53, 72
Oct 21	No Class - Fall Study Break			
Oct 22	Set #7 due			
Oct 23	Rotational kinematics	9:	1	7, 41, 55, 56, 59
Oct 27	Set #8 due			
Oct 28	Torque/ Rotational Dynamics	10: 1,2	11	63, 74, 85, 87
Oct 30	Rolling/Torque/ Angular momentum	10:3	4	13, 15, 33, 41
Oct 30	midterm exam 6-7:30 PM Chapters 6 - 9			
Nov 3	Set #9 due			
Nov 4	Angular momentum conserved	10:4,5,6	7	44, 60, 63,
Nov 6	Static Equilibrium/ Elasticity	11	3, 4	20, 31, 40, 43
Nov 10	Set #10 due			
Nov 11	Gravitation-Force/ Energy Potential	12: 1,2,3	4	11, 23, 28, 50, 52
Nov 13	Gravitation--Orbits	12: 4,5	7	53, 64, 69, 71, 84
Nov 17	Set #11 due			
Nov 18	Periodic Motion	13	8,13	25, 39, 46, 51, 67, 80, 88, 91
Nov 20	Fluid statics	14: 1 to 3	2	8, 17, 23, 48, 52
Nov 20	midterm exam 6-7:30 PM Chapters 10 - 13			
Nov 24	Set #12 due			
Nov 25	Fluid dynamics	14: 4,5	10	56, 69, 71, 75, 76
Nov 27	No Class - Thanksgiving			
Dec 1	Set #13 due			
Dec 2	Waves, general	15	1, 4	15, 51, 57, 66
Dec 4	Sound	16		
Dec 8	Set #14 due			
Dec 9	Catch-up & review			

FINAL EXAM Chapters 1 -16, Friday, Dec 12th - 7:30 – 10:00 pm - BEST WISHES!