











2(8/11)	Course Outline TEXT BOOK: PHYSICS FOR SC WITH MODER (6 <sup>th</sup> Edir Author: R.A.	for PHY IENTISTS A N PHYSIC tion) SERWAY	YS-' and e s	103 ngineers	
Chapter	Title	Section	Hours	Suggested problems	
1	Physics and measurement	1.1, 1.4, 1.5	2	13,15,21,25,31	
2	Motion in One Dimension	2.1, 2.2, 2.3, 2.5, 2.6	4	4,5,11,15,16,20,21,22,23,25,27,28,29, 32,33,40,42,43,46,48,51,52	
3	Vectors	3.1to3.4	4	1,4,19,21,27,30,31,33,39,49,50	
4	Motion in Two Dimensions	4.1to4.5	4	1,3,5,6,8,14,15,17,19,20,22,23,25,29	
5	The Laws of Motion	5.1to5.8	6	3,7,11,16,18,24,25,26,28,30,31,37,41, 44,45,46,68	
6	Circular Motion and Other Applications of Newton's Laws	6.1	2	1,2,5,7,59	
7	Energy and Energy Transfer	7.2to7.8	4	1,4,7,13,14,15, 16,19,21,24,25,26,28,31,32,33,35,37, 40	
8	Potential Energy	8.1to8.5	4	2,5,6,11,13,17, 31,33,36,38,42,55,57,59,60	
9	Linear Momentum and Collisions	9.1to9.4	5	1,2,4,5,7,8,9,10,13,15,16,17,18,21,25, 27,32,33,35	
10	Rotation of a Rigid Object About a Fixed Axis	10.1to10.8	6	1,3,5,6,8,12,13,16,17,18,20,21,31,35, 37,46,70,71	
The si examp	udents must know how to solve the bles under supervision of the teacher. Dr. Abdallo	ese suggeste Th.M.A.Z	d prob zeer	lems in addition to all the	





















