

PHYS 4A DAY (ticket #19230)
tentative **COURSE OUTLINE**

*See **LABORATORY** Schedule for weekly lab experiments.

Week	Monday	Wednesday	Monday	Wednesday
1-2	January 8 Introduction & Ch 1 Measurement	10 Ch 1 Measurement / Ch 2 Motion in 1-D	15 Martin Luther King Jr. Holiday NO CLASSES IN SESSION	17 Ch 2 Motion in 1-D
3-4	22 Ch 2 Motion in 1-D	24 Ch 3 Vectors	29 Ch 3 Vectors	31 Ch 4 Motion in 2 & 3 D (skip section 4-7 for now)
5-6	February 5 Ch 4 Motion in 2 & 3 D (skip section 4-7 for now)	7 Ch 5 Force & Motion I	12 Ch 5 Force & Motion I	14 Ch 6 Force and Motion II
7-8	19 Washington Day Holiday CLASSES NOT IN SESSION	21 Ch 6 Force and Motion II	26 Ch 7 Kinetic Energy & Work	28 Ch 7/Ch 8 Kinetic Energy, Work / Potential Energy, Cons. of Energy FIRST FORMAL LAB DUE (on Lab # 2, 3, 5 or 6)
9-10	March 5 Ch 8 Potential Energy & Conservation of Energy	7 Ch 8/Ch 9 Potential Energy & Conservation of Energy / Center of Mass & Linear Momentum	12 SPRING BREAK	14 SPRING BREAK
11-12	19 Ch 9 Center of Mass & Linear Momentum	21 Ch 9 Center of Mass & Linear Momentum	26 Ch 10 (& section 11.11 problems/concepts) Rotation & Angular Momentum	28 Ch 10 (& section 11.11 problems/concepts) Rotation & Angular Momentum MIDTERM EXAM (Ch 1 – 8, in Lab)
13-14	April 2 Ch 11 (& section 10.9 problems/concepts) Rolling & Newton's 1 st /2 nd Law for Rotation	4 Ch 11 (& section 10.9 problems/concepts) Rolling & Newton's 1 st /2 nd Law for Rotation	9 Ch 12 Equilibrium & Elasticity	11 Ch 12 Equilibrium & Elasticity
15-16	16 Catch-up and Problem Solving Ch 10,11,12	18 Ch 13 Gravitation	23 Ch 13 Gravitation	25 Ch 13/Ch 14 Gravitation/ Fluids
17-18	30 Ch 14 Fluids	May 2 Ch 14/Ch 15 Fluids/Oscillations	7 Ch 15 Oscillations	9 Ch 15 Oscillations 2nd FORMAL LAB DUE (on Lab # 8, 10, 11, 12 or 14) CANNOT BE LATE!

FINAL EXAM Monday, May 14th 9:15 a.m. – 12:15 p.m.