

Unit 1 Outline – Kinematics

SPH3U

Day	Section	Homework (peer/self marked)	Complete	Level
1	1.1 – Distance, Position and Displacement	pg. 11 #1-3		
2	1.2 – Speed, Velocity and P-T Graphs	pg. 13 (bottom) #1, 2, 4, 5 pg. 15 #1,3 pg. 18 #1, 2		
3	1.2 – Position-time graphs	pg. 20 #1-6, 8 pg. 5 #8 – t, a D, v _f		
4	1.3 – Acceleration	pg. 24 #1-3 pg. 25 #1, 2 Pg. 30 #2, 3, 4a, 6, 11		
5	1.4 – Comparing Graphs of Linear Motion	pg. 35 #1-4 Matching graphs handout		
6	Lab – Motion Down a Ramp	Lab Write-up – pg. 49 Analyse (a)-(g)		
7	Graphs and Motion Lab Write-up in Excel			
8	1.5 – 5 Equations of Motion	Quiz 1.1-1.4 Pg. 39 #1-6		
9	1.6 – Gravity and 5 Equations of Motion	pg. 43 #1-5, 7		
10	2.1 – Scale Vector Diagrams	1.5-1.6 Quiz pg. 65 #2, 5-9		
11	2.2 – Vectors Using Algebra	pg. 67 #1, pg. 69 #1, pg. 71 #1, 2		
12	2.2 – Vectors Using Algebra (Day 2)	Pg. 74 #2 pg. 75 #1, 5, 7, 8, 9, 10 (discuss) (8, 9 are relative velocity)		
13	2.3 Projectiles – Day 1 of 2	pg. 78 #1, 2 pg. 81 #2 (top) pg. 81 (bottom) #2, 5		
14	2.3 Projectiles – Day 2 of 2	Pg. 81 #3, 4, 6-8 (Note: #8 has different launch and landing heights).		
15	Projectiles Assignment	Chapter 2 Quiz Assignment In Class		
16	Projectiles Assignment	Assignment In Class		
17	Review	pg. 100-105 #1-16, 18-26, 30*, 31, 34, 35, 36*, 37*, 40, 41*, 42, 43c, 46*, 49, 50, 52*, 53*, 55*, 56, 57*, 59*, 60, 61* (careful with units in 60 and 61), 67		
18	Review			
19	TEST – Wed., Oct. 5			

For each homework assignment, we will take up the solutions in class. Each day you can assign yourself a **level** based on how well you understood the topic.

Level 4: Completely understand; got every question correct.

Level 3: Mostly understand; got almost all questions correct.

Level 2: Have few questions; got a few things right, a few things wrong.

Level 1: I still don't understand this; got only a couple things right.

Level R (Review): I do not get this at all; did not get anything right.

If you are at a Level 2 or below, it is highly recommended that you attend Math/Physics help.