Physics 20 2015/2016 Semester 1 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
	September 1 Introduction Lesson 1 – Average speed	**2** Hand-in Lesson 1 Lesson 2 – Displacement	**3** **NSS camp**	**4** **NSS camp**
7 **Labour Day** **No classes**	**8** Hand-in Lesson 2 Lesson 3 – Velocity – Graphical analysis ⇒ Optional lecture	**9** Hand-in Lesson 3 Lesson 4 – Graphing activities ⇒ Constant velocity	**10** Hand-in L04 Constant Velocity Lesson 4 – Graphing activities ⇒ Accelerated motion	**11** Hand-in L04 Quiz ⇒ Lessons 1 to 4
14 Lesson 5 – Accelerated motion: Graphical ⇒ Optional lecture	**15** Work period	**16** Hand-in Lesson 5 Lesson 6 – Graphing activities ⇒ Up-Down activity	**17** Work period	**18** Lesson 6 – Graphing activities ⇒ **phet** activity
21 Hand-in Up-Down activity and phet activity Quiz ⇒ Lessons 5 to 6	**22** Lesson 7 – Accelerated Motion	**23** Hand-in Lesson 7 Lesson 8 – Acceleration, Displacement I ⇒ Optional lecture	**24** Work period	**25** **Non-Instruction day**
28 Hand-in Lesson 8 Lesson 9 – Acceleration, Displacement II ⇒ Optional lecture	**29** Work period	**30** Hand-in Lesson 9 Quiz ⇒ Lessons 7 to 9	**October 1** Lessons 1 to 9 review	**2** Doomsday Test ⇒ Lessons 1 to 9
5 Lesson 10 – Kinematics in 2 Dimensions	**6** Mark Lesson 10 Lesson 11 – Complex 2 Dim. Vectors	**7** Work period	**8** Mark Lesson 11 Quiz ⇒ Lessons 10 to 11	**9** Lesson 12 – Relative Motion ⇒ Optional lecture
12 **Thanksgiving day**	**13** Work period	**14** Hand-in Lesson 12 Lesson 13 – Projectiles ⇒ Optional lecture	**15** Work period	**16** Mark Lesson 13 Quiz ⇒ Lesson 12 and 13

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19 Review 1 to 13	**20** Doomsday test ⇒ Lessons 1 to 13	**21** Lesson 14 – Dynamics Conceptual Change ⇒ Optional lecture	**22** Mark Lesson 14 Lesson 15 – Dynamics problem solving	**23** Work period
26 Mark Lesson 15 Lesson 16 – Mass Weight Friction ⇒ Optional lecture	**27** Lesson 16 activity	**28** Mark Lesson 16 Lesson 17 – Vertical forces, inclines ⇒ Optional lecture	**29** Hand-in Lesson 16 activity Quiz ⇒ Lessons 14 to 16	**30** **Non-Instruction day**
November 2 Work period	**3** Mark Lesson 17 Lesson 18 – Pulleys, systems ⇒ Optional lecture	**4** Work period	**5** **No Classes** **Parent-Teacher Interviews** **11:00 to 7:00**	**6** Mark Lesson 18 Quiz ⇒ Lessons 17 to 18
9 Lessons 1 to 18 review	**10** Doomsday test ⇒ Lessons 1 to 18	**11** **Remembrance day**	**12** Lesson 19 – Uniform circular motion ⇒ Optional lecture	**13** Work period
16 Mark Lesson 19 Lesson 20 – Vertical UCM ⇒ Optional lecture	**17** Mark Lesson 20 Quiz ⇒ Lessons 19 to 20	**18** Lesson 21 – Universal Gravitation Lesson 22 –Gravitational field strength	**19** Mark Lesson 21 and 22 Lesson 23 – Orbits & Satellites ⇒ Optional lecture	**20** **Non-Instruction day**
23 Work period	**24** Mark Lesson 23 Quiz ⇒ Lessons 21 to 23	**25** Lessons 1 to 23 review	**26** Doomsday test ⇒ Lessons 1 to 23	**27** Lesson 24 – SHM pendulums
30 Hand in Lesson 24 Lesson 24 – SHM pendulum ⇒ activities	**December 1** Hand-in Lesson 24 activity Lesson 25 – SHM springs	**2** Hand in Lesson 25 Lesson 25 – SHM springs ⇒ activities	**3** Hand-in Lesson 25 activity Quiz ⇒ Lessons 24 to 25	**4** **Non-Instruction day**

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7 Lesson 26 – Work, Energy and Power	**8** Work period	**9** Hand in Lesson 26 Lesson 27 – Conservation of Energy ⇒ Optional lecture	**10** Work period	**11** Hand in Lesson 27 Lesson 27 activity
14 Hand-in Lesson 27 activity Lesson 28 – SHM forces & energy ⇒ Optional lecture	**15** Work period	**16** Hand-in Lesson 28 Quiz ⇒ Lessons 26 to 28	**17** Review 1 to 28	**18** Doomsday Test ⇒ Lessons 1 to 28
January 4 Lesson 29 – Waves in One Dimension ⇒ activity	**5** Work period	**6** Hand-in Lesson 29 Lesson 30 – Waves in Two Dimensions	**7** Work period	**8** Hand-in Lesson 30 Lesson 31 – Sound & Resonance ⇒ Optional cool demos
11 Hand-in Lesson 31 Lesson 32 – Doppler effect	**12** Hand-in Lesson 32 Quiz ⇒ Lesson 29 to 32	**13** Review 1 to 32	**14** Doomsday Test ⇒ Lessons 1 to 32	**15** Last day of classes
18	**19**	**20**	**21**	**22**
25	**26**	**27**	**28**	**29** **Deadline** All work must be in and complete by 2:00 pm