

Physics 30

2011/2012 Semester 1 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
August 29	30	31	September 1	2 Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry
5 Labour Day	6 Review of Physics 20 ⇒ UCM, dynamics	7 Lesson 1 – Impulse, Change in Momentum	8 NSS camp	9 NSS camp
12 Hand-in Lesson 1 Lesson 2 – Momentum in 1 Dimension ⇒ Optional lecture	13 Lesson 2 Activity – <i>1D Momentum</i>	14 Hand-in Lesson 2 Lesson 3 – 2D Momentum ⇒ Optional lecture	15 Work period	16 Hand-in Lesson 3 Lesson 3 Activity – <i>2D Momentum</i>
19 Quiz ⇒ Lessons 1 to 3	20 Lesson 4 – Graphing Review 1 to 4	21 Hand-in Lesson 4 Doomsday test ⇒ Lessons 1 to 4	22 Lesson 5 – Introduction to Light	23 PD Day
26 Work period	27 Hand-in Lesson 5 Lesson 6 – Reflection	28 Hand-in Lesson 6 Lesson 7 – Curved mirrors	29 Lesson 7 activity work period	30 Hand-in Lesson 7 Lesson 8 – Refraction ⇒ Optional lecture
October 3 Quiz ⇒ Lessons 5 to 7	4 Hand-in Lesson 8 Lesson 8 Activity	5 Lesson 9 – Lenses	6 Hand-in Lesson 9 Lesson 9 Activity	7 PD Day
10 Thanksgiving day	11 Quiz ⇒ Lesson 8 to 9	12 Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity	13 Hand-in Lesson 10 Lesson 11 – Double slit interference ⇒ Optional lecture	14 Hand-in Lesson 11 Lesson 12 – Diffraction gratings ⇒ activity
17 Hand-in Lesson 12 Quiz ⇒ Lessons 10 to 12	18 Review 1 to 12	19 Doomsday Test Lessons 1 to 12	20 Lesson 13 Activity – <i>Electrostatics</i>	21 work period

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24 Hand-in Lesson 13 Lesson 14 – Coulomb's Law ⇒ Optional lecture	25 work period	26 Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14	27 Lesson 15 – Electric Fields	28 Hand-in Lesson 15 Lesson 16 – Electric potential
31 Hand-in Lesson 16 Lesson 17 – Parallel plates ⇒ Optional lecture	November 1 Parent/Teacher Interviews	2 Hand-in Lesson 17 Lesson 18 – Electric current	3 Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	4 Review 1 to 18
7 Doomsday test ⇒ Lessons 1 to 18	8 Lesson 19 – Magnetic fields	9 Hand-in Lesson 19 Lesson 20 – Magnetic forces on charged particles	10 Hand-in Lesson 20 Lesson 21 – Motor effect	11 Remembrance day
14 PD Day	15 Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21	16 Lesson 22 – Generator effect	17 Hand-in Lesson 22 Lesson 23 Activity – <i>Lenz's Law</i>	18 Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation
21 work period	22 Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24	23 Review 1 to 24	24 Doomsday Test ⇒ Lessons 1 to 24	25 Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays
28 work period	29 Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom	30 Hand-in Lesson 27 Lesson 28 – Quantization of Light ⇒ Optional lecture	December 1 Quiz ⇒ Lessons 25 to 27	2 PD Day
5 Hand-in Lesson 28 Lesson 29 – Photoelectric effect	6 Hand-in Lesson 29 Lesson 29 Activity – <i>Photoelectric phet effect</i>	7 Mark Lesson 29 activity Lesson 30 – Light Spectra & Excitation States ⇒ Optional lecture	8 Work period	9 Hand-in Lesson 30 Lesson 31 – The Bohr Model
12 Quiz ⇒ Lesson 28 to 30	13 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect ⇒ Optional lecture	14 Work period	15 Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional lecture/video	16 Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33

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19 Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33	20 Doomsday Test ⇒ Lessons 1 to 33	21 Lesson 35 – Nuclear physics	22 Hand-in Lesson 35 Lesson 36 – Radioactivity	23 PD Day
January 9 Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	10 Lesson 37 – particle physics ⇒ Optional lecture	11 Hand-in Lesson 37 Lesson 38 – quarks	12 Hand-in Lesson 38 Doomsday Test Lessons 35 to 38 Diploma marks due at 4:00 pm	13 Diploma prep.
16 Diploma prep.	17 Diploma prep.	18 Diploma prep.	19 Diploma prep.	20 Diploma prep.
23 Diploma prep.	24 Diploma prep.	25 Diploma prep.	26 Diploma prep.	27 Diploma Exam 9:00 AM 2 hours + 30 minutes