

Physics 30

2011/2012 Semester 2 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
January 30 Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry	31 Review of Physics 20 ⇒ UCM, dynamics	February 1 Lesson 1 – Impulse, Change in Momentum	2 Hand-in Lesson 1 Lesson 2 – Momentum in 1 Dimension	3 Non-instruction Day
6 Lesson 2 Activity – <i>1D Momentum</i>	7 Hand-in Lesson 2 Lesson 3 – 2D Momentum	8 Work period	9 Hand-in Lesson 3 Lesson 3 Activity – <i>2D Momentum</i>	10 Quiz ⇒ Lessons 1 to 3
13 Lesson 4 – Graphing	14 Hand-in Lesson 4 Review 1 to 4	15 Doomsday test ⇒ Lessons 1 to 4	16 Teacher's convention	17 Teacher's convention
20 Family day	21 Lesson 5 – Introduction to Light	22 work period	23 Hand-in Lesson 5 Lesson 6 – Reflection	24 Hand-in Lesson 6 Lesson 7 – Curved mirrors
27 Work period Lesson 7 activity	28 Hand-in Lesson 7 Quiz ⇒ Lessons 5 to 7	29 Lesson 8 – Refraction	March 1 Work period	2 Lesson 8 Activity
5 Hand-in Lesson 8 Lesson 9 – Lenses	6 Hand-in Lesson 9 Lesson 9 Activity	7 Quiz ⇒ Lesson 8 to 9	8 Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity	9 Hand-in Lesson 10 Lesson 11 – Double slit interference
12 Hand-in Lesson 11 Lesson 12 – Diffraction gratings ⇒ activity	13 Hand-in Lesson 12 Quiz ⇒ Lessons 10 to 12	14 Review 1 to 12	15 Doomsday Test ⇒ Lessons 1 to 12	16 Lesson 13 Activity – <i>Electrostatics</i>
19 Work period	20 Hand-in Lesson 13 Lesson 14 – Coulomb's Law	21 Work period	22 Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14	23 Non-instruction Day Parent-teacher interviews 9:00 to 1:00

Monday	Tuesday	Wednesday	Thursday	Friday
April 2 Lesson 15 – Electric Fields	3 Hand-in Lesson 15 Lesson 16 – Electric potential	4 Hand-in Lesson 16 Lesson 17 – Parallel plates	5 Work period	6 Good Friday
9 Non-instruction Day	10 Hand-in Lesson 17 Lesson 18 – Electric current	11 Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	12 Review 1 to 18	13 Doomsday test ⇒ Lessons 1 to 18
16 Lesson 19 – Magnetic fields	17 Hand-in Lesson 19 Lesson 19 Activity	18 Lesson 20 – Magnetic forces on charged particles	19 Hand-in Lesson 20 Lesson 21 – Motor effect	20 Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21
23 Lesson 22 – Generator effect	24 Hand-in Lesson 22 Lesson 23 Activity – <i>Lenz's Law</i>	25 Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation	26 Work period	27 Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24
30 Review 1 to 24	May 1 Doomsday Test ⇒ Lessons 1 to 24	2 Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays	3 Work period	4 Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom
7 Hand-in Lesson 27 Quiz ⇒ Lessons 25 to 27	8 Lesson 28 – Quantization of Light	9 Hand-in Lesson 28 Lesson 29 – Photoelectric effect	10 Hand-in Lesson 29 Lesson 29 Activity – <i>Photoelectric phet effect</i>	11 Hand-in Lesson 29 activity Lesson 30 – Light Spectra & Excitation States
14 Work period	15 Hand-in Lesson 30 Quiz ⇒ Lesson 28 to 30	16 Lesson 31 – The Bohr Model	17 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect	18 Non-instruction Day
21 Victoria day	22 Work period	23 Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional video	24 Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33	25 Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33

Monday	Tuesday	Wednesday	Thursday	Friday
28 Doomsday Test ⇒ Lessons 1 to 33	29 Lesson 35 – Nuclear physics	30 Work period	31 Hand-in Lesson 35 Lesson 36 – Radioactivity	June 1 Work period
4 Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	5 Lesson 37 – particle physics ⇒ Optional lecture	6 Work period	7 Hand-in Lesson 37 Lesson 38 – quarks	8 Hand-in Lesson 38 Doomsday Test ⇒ Lessons 35 to 38
11 Diploma marks due at noon	12 Diploma prep.	13 Diploma prep.	14 Diploma prep.	15 Diploma prep.
18 Diploma prep.	19 Diploma prep.	20 Diploma prep.	21 Diploma prep.	22 Diploma prep.
25 Diploma prep.	26 Diploma prep.	27 Diploma Exam 9:00 AM 2 hours + 30 minutes	28	29 Non-instruction Day