

Physics 30

2015/2016 Semester 2 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
February 1 Non-instruction Day	2 Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry	3 Review of Physics 20 ⇒ UCM, dynamics	4 Lesson 1 – Momentum in 1 Dimension ⇒ Optional lecture	5 Lesson 1 Activity – <i>1D Momentum</i>
8 Hand-in Lesson 1 Lesson 2 – 2D Momentum ⇒ Optional lecture	9 Work period	10 Hand-in Lesson 2 Lesson 2 Activity – <i>2D Momentum</i>	11 Teacher's convention	12 Teacher's convention
15 Family day	16 Lesson 3 – Impulse, Change in Momentum	17 Hand-in Lesson 3 Quiz ⇒ Lessons 1 to 3	18 Lesson 4 – Graphing	19 Hand-in Lesson 4 Review 1 to 4
22 Doomsday test ⇒ Lessons 1 to 4	23 Lesson 5 – Introduction to Light	24 work period	25 Hand-in Lesson 5 Lesson 6 – Reflection	26 Hand-in Lesson 6 Lesson 7 – Curved mirrors
29 Work period Lesson 7 activity	March 1 Hand-in Lesson 7 Quiz ⇒ Lessons 5 to 7	2 Lesson 8 – Refraction	3 Work period	4 Lesson 8 Activity
7 Hand-in Lesson 8 Lesson 9 – Lenses	8 Hand-in Lesson 9 Lesson 9 Activity	9 Quiz ⇒ Lesson 8 to 9	10 Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity	11 Hand-in Lesson 10 Lesson 11 – Double slit interference
14 Hand-in Lesson 11 Lesson 12 – Diffraction gratings ⇒ activity	15 Hand-in Lesson 12 Quiz ⇒ Lessons 10 to 12	16 Review 1 to 12	17 Doomsday Test ⇒ Lessons 1 to 12	18 Non-instruction Day
28 Spring Break	29 Classes resume Lesson 13 Activity – <i>Electrostatics</i>	30 Work period	31 Hand-in Lesson 13 Lesson 14 – Coulomb's Law	April 1 Work period

Monday	Tuesday	Wednesday	Thursday	Friday
4 Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14	5 Lesson 15 – Electric Fields	6 Hand-in Lesson 15 Lesson 16 – Electric potential	7 Hand-in Lesson 16 Lesson 17 – Parallel plates	8 Work period
11 Hand-in Lesson 17 Lesson 18 – Electric current	12 Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	13 Review 1 to 18	14 No Classes Parent-Teacher Interviews 11:00 to 7:00	15 Doomsday test ⇒ Lessons 1 to 18
18 Lesson 19 – Magnetic fields	19 Hand-in Lesson 19 Lesson 19 Activity	20 Lesson 20 – Magnetic forces on charged particles	21 Hand-in Lesson 20 Lesson 21 – Motor effect	22 Non-instruction Day
25 Non-instruction Day	26 Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21	27 Lesson 22 – Generator effect	28 Hand-in Lesson 22 Lesson 23 Activity – Lenz's Law	29 Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation
May 2 Work period	3 Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24	4 Review 1 to 24	5 Doomsday Test ⇒ Lessons 1 to 24	6 Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays
9 Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom	10 Hand-in Lesson 27 Quiz ⇒ Lessons 25 to 27	11 Personal Planning Day No Class	12 Lesson 28 – Quantization of Light	13 Hand-in Lesson 28 Lesson 29 – Photoelectric effect
16 Hand-in Lesson 29 Lesson 29 Activity – Photoelectric phet effect	17 Hand-in Lesson 29 activity Lesson 30 – Light Spectra & Excitation States	18 Work period	19 Hand-in Lesson 30 Quiz ⇒ Lesson 28 to 30	20 Non-instruction Day
23 Victoria day	24 Lesson 31 – The Bohr Model	25 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect	26 Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional video	27 Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33

Monday	Tuesday	Wednesday	Thursday	Friday
30 Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33	31 Doomsday Test ⇒ Lessons 1 to 33	June 1 Lesson 35 – Nuclear physics	2 Hand-in Lesson 35 Lesson 36 – Radioactivity	3 work period
6 Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	7 Lesson 37 – particle physics ⇒ Optional lecture	8 Hand-in Lesson 37 Lesson 38 – quarks	9 Hand-in Lesson 38 Doomsday Test ⇒ Lessons 35 to 38	10
13 Deadline All work must be in and complete by 2:00 pm	14 Diploma prep.	15 Diploma prep.	16 Diploma prep.	17 Diploma prep.
20	21	22	23	24
27 Diploma Exam 9:00 AM 3 hours	28	29	30	