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| Physics 30 2015/2016 Semester 2 (general calendar) |
| **Monday**  | **Tuesday**  | **Wednesday** | **Thursday**  | **Friday**  |
| **February 1** | **2** | **3** | **4** | **5** |
| **Non-instruction Day** | Review of Physics 20* kinematics
* vectors, trigonometry
 | Review of Physics 20* UCM, dynamics
 | Lesson 1 – Momentum in 1 Dimension* Optional lecture
 | Lesson 1 Activity – *1D Momentum* |
| **8** | **9** | **10** | **11** | **12** |
| Hand-in Lesson 1Lesson 2 – 2D Momentum* Optional lecture
 | Work period | Hand-in Lesson 2Lesson 2 Activity – *2D Momentum* | **Teacher’s convention** | **Teacher’s convention** |
| **15** | **16** | **17** | **18** | **19** |
| **Family day** | Lesson 3 – Impulse, Change in Momentum | Hand-in Lesson 3Quiz * Lessons 1 to 3
 | Lesson 4 – Graphing | Hand-in Lesson 4Review 1 to 4 |
| **22** | **23** | **24** | **25** | **26** |
| Doomsday test* Lessons 1 to 4
 | Lesson 5 – Introduction to Light | work period | Hand-in Lesson 5Lesson 6 – Reflection | Hand-in Lesson 6Lesson 7 – Curved mirrors  |
| **29** | **March 1** | **2** | **3** | **4** |
| Work period Lesson 7 activity | Hand-in Lesson 7 Quiz* Lessons 5 to 7
 | Lesson 8 – Refraction | Work period | Lesson 8 Activity |
| **7** | **8** | **9** | **10** | **11** |
| Hand-in Lesson 8Lesson 9 – Lenses | Hand-in Lesson 9Lesson 9 Activity  | Quiz * Lesson 8 to 9
 | Lesson 10 – Dispersion, scattering, colour, polarisation* activity
 | Hand-in Lesson 10Lesson 11 – Double slit interference  |
| **14** | **15** | **16** | **17** | **18** |
| Hand-in Lesson 11 Lesson 12 – Diffraction gratings * activity
 | Hand-in Lesson 12Quiz* Lessons 10 to 12
 | Review 1 to 12 | Doomsday Test* Lessons 1 to 12
 | **Non-instruction Day** |
| **28** | **29** | **30** | **31** | **April 1** |
| **Spring Break** | **Classes resume**Lesson 13 Activity – *Electrostatics* | Work period | Hand-in Lesson 13Lesson 14 – Coulomb’s Law | Work period |

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| **Monday**  | **Tuesday**  | **Wednesday** | **Thursday**  | **Friday**  |
| **4** | **5** | **6** | **7** | **8** |
| Hand-in Lesson 14 Quiz* Lesson 13 to 14
 | Lesson 15 – Electric Fields | Hand-in Lesson 15 Lesson 16 – Electric potential | Hand-in Lesson 16Lesson 17 – Parallel plates | Work period |
| **11** | **12** | **13** | **14** | **15** |
| Hand-in Lesson 17Lesson 18 – Electric current | Hand-in Lesson 18Quiz * Lessons 15 to 18
 | Review 1 to 18 | **No Classes****Parent-Teacher Interviews****11:00 to 7:00** | Doomsday test* Lessons 1 to 18
 |
| **18** | **19** | **20** | **21** | **22** |
| Lesson 19 – Magnetic fields | Hand-in Lesson 19Lesson 19 Activity | Lesson 20 – Magnetic forces on charged particles | Hand-in Lesson 20Lesson 21 – Motor effect | **Non-instruction Day** |
| **25** | **26** | **27** | **28** | **29** |
| **Non-instruction Day** | Hand-in Lesson 21Quiz* Lessons 19 to 21
 | Lesson 22 – Generator effect | Hand-in Lesson 22Lesson 23 Activity – *Lenz’s Law*  | Hand-in Lesson 23Lesson 24 – Electro-magnetic radiation |
| **May 2** | **3** | **4** | **5** | **6** |
| Work period | Hand-in Lesson 24Quiz* Lessons 22 to 24
 | Review 1 to 24 | Doomsday Test* Lessons 1 to 24
 | Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays  |
| **9** | **10** | **11** | **12** | **13** |
| Hand-in Lesson 26Lesson 27 – Rutherford’s Model of the Atom | Hand-in Lesson 27Quiz* Lessons 25 to 27
 | **Personal Planning Day****No Class** | Lesson 28 – Quantization of Light | Hand-in Lesson 28Lesson 29 – Photoelectric effect  |
| **16** | **17** | **18** | **19** | **20** |
| Hand-in Lesson 29Lesson 29 Activity – *Photoelectric* **phet** *effect* | Hand-in Lesson 29 activityLesson 30 – Light Spectra & Excitation States | Work period | Hand-in Lesson 30Quiz* Lesson 28 to 30
 | **Non-instruction Day** |
| **23** | **24** | **25** | **26** | **27** |
| **Victoria day** | Lesson 31 – The Bohr Model | Hand-in Lesson 31Lesson 32 – X-rays and Compton Effect | Hand-in Lesson 32Lesson 33 – Waves and Particles* Optional video
 | Hand-in Lesson 33Quiz* Lesson 31 to 33
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| **Monday**  | **Tuesday**  | **Wednesday** | **Thursday**  | **Friday**  |
| **30** | **31** | **June 1** | **2** | **3** |
| Lesson 34 – Wave Mechanics/Uncertainty* optional

Review 1 to 33 | Doomsday Test* Lessons 1 to 33
 | Lesson 35 – Nuclear physics | Hand-in Lesson 35Lesson 36 – Radioactivity  | work period |
| **6** | **7** | **8** | **9** | **10** |
| Hand-in Lesson 36Quiz* Lesson 35 to 36
 | Lesson 37 – particle physics * Optional lecture
 | Hand-in Lesson 37Lesson 38 – quarks | Hand-in Lesson 38Doomsday Test* Lessons 35 to 38
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| **13** | **14** | **15** | **16** | **17** |
| **Deadline**All work must be in and complete by 2:00 pm | Diploma prep. | Diploma prep. | Diploma prep. | Diploma prep. |
| **20** | **21** | **22** | **23** | **24** |
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| **27** | **28** | **29** | **30** |  |
| **Diploma Exam** 9:00 AM 3 hours |  |  |  |  |