

# Physics 30

## 2012/2013 Semester 2 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
<b>February 4</b> Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry	<b>5</b> Review of Physics 20 ⇒ UCM, dynamics	<b>6</b> Lesson 1 – Momentum in 1 Dimension ⇒ Optional lecture	<b>7</b> Lesson 1 Activity – <i>1D Momentum</i>	<b>8</b> Hand-in Lesson 1  Lesson 2 – 2D Momentum ⇒ Optional lecture
<b>11</b> Work period	<b>12</b> Hand-in Lesson 2  Lesson 2 Activity – <i>2D Momentum</i>	<b>13</b> Lesson 3 – Impulse, Change in Momentum	<b>14</b> <b>Teacher's convention</b>	<b>15</b> <b>Teacher's convention</b>
<b>18</b> <b>Family day</b>	<b>19</b> Hand-in Lesson 3  Quiz ⇒ Lessons 1 to 3	<b>20</b> Lesson 4 – Graphing	<b>21</b> Hand-in Lesson 4  Review 1 to 4	<b>22</b> Doomsday test ⇒ Lessons 1 to 4
<b>25</b> Lesson 5 – Introduction to Light	<b>26</b> work period	<b>27</b> Hand-in Lesson 5  Lesson 6 – Reflection	<b>28</b> Hand-in Lesson 6  Lesson 7 – Curved mirrors	<b>March 1</b> Work period  Lesson 7 activity
<b>4</b> Hand-in Lesson 7  Quiz ⇒ Lessons 5 to 7	<b>5</b> Lesson 8 – Refraction	<b>6</b> Work period	<b>7</b> Lesson 8 Activity	<b>8</b> Hand-in Lesson 8  Lesson 9 – Lenses
<b>11</b> Hand-in Lesson 9  Lesson 9 Activity	<b>12</b> Quiz ⇒ Lesson 8 to 9	<b>13</b> Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity	<b>14</b> Hand-in Lesson 10  Lesson 11 – Double slit interference	<b>15</b> Hand-in Lesson 11  Lesson 12 – Diffraction gratings ⇒ activity
<b>18</b> Hand-in Lesson 12  Quiz ⇒ Lessons 10 to 12	<b>19</b> Review 1 to 12	<b>20</b> Doomsday Test ⇒ Lessons 1 to 12	<b>21</b> <b>Classes finish at 11:15</b>  <b>Parent-Teacher Interviews 1:00 to 8:00</b>	<b>22</b> <b>Non-instruction Day</b>
<b>April 1</b> <b>No classes</b>	<b>2</b> Lesson 13 Activity – <i>Electrostatics</i>	<b>3</b> Work period	<b>4</b> Hand-in Lesson 13  Lesson 14 – Coulomb's Law	<b>5</b> Work period

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

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<b>June 3</b> Lesson 35 – Nuclear physics	<b>4</b> Hand-in Lesson 35  Lesson 36 – Radioactivity	<b>5</b> Hand-in Lesson 36  Quiz ⇒ Lesson 35 to 36	<b>6</b> Lesson 37 – particle physics ⇒ Optional lecture	<b>7</b> Hand-in Lesson 37  Lesson 38 – quarks
<b>10</b> Hand-in Lesson 38  Doomsday Test ⇒ Lessons 35 to 38	<b>11</b> <b>Diploma marks due at noon</b>	<b>12</b> Diploma prep.	<b>13</b> Diploma prep.	<b>14</b> Diploma prep.
<b>17</b> Diploma prep.	<b>18</b> Diploma prep.	<b>19</b> Diploma prep.	<b>20</b> Diploma prep.	<b>21</b> Diploma prep.
<b>24</b> Diploma prep.	<b>25</b> Diploma prep.	<b>26</b> <b>Diploma Exam</b> 9:00 AM 2 hours + 30 minutes	<b>27</b>	<b>28</b> <b>Non-instruction Day</b>