

When the subject material includes a laboratory experiment, the class will be split up into two groups (A and B). Group A will have a lecture on the current topic while group B will be in the laboratory. On the following week the groups switch, with group A in the laboratory and group B receiving the lecture.

Date	Primary topic	Secondary topic	Reading	Instructor
<b>13 Jan</b>	Review: wave motion	superposition of waves	2.1-2.9; 7.1-2	PL
<b>18</b>	Electromagnetic theory	Photons, light	3.1-3	PL
<b>20</b>	Radiation	Scattering	3.4-6	PL
<b>25</b>	Propagation of light 1	Reflection & refraction	4.2-5	PL
<b>27</b>	Propagation of light 2		4.6-8	PL
<b>1 Feb</b>	Propagation of light 3		4.9-11	PL
<b>3</b>	Geometric optics 1		5.1-4	PK
<b>8</b>	Geometric optics 2 (A)	Lab 1: optics components (B)	5.4-7	PK / PL
<b>10</b>	Geometric optics 2 (B)	Lab 1: optics components (A)	5.4-7	PK / PL
<b>15</b>	Geometric optics 3 (A)	Lab 2: refractive index (B)	6.1-4	PK / PL
<b>17</b>	Geometric optics 3 (B)	Lab 2: refractive index (A)	6.1-4	PK / PL
<b>22</b>	Polarization 1		8.1-6	PK
<b>24</b>	Polarization 2		8.7-12	PK
<b>1 Mar</b>	EXAM 1			
<b>3</b>	Interference 1		9.1-3	PL
<b>8</b>	Interference 2		9.4-6	PL
<b>10</b>	Interference 3 (A)	Lab 3: interferometry (B)	9.7-8	PL/PK
<b>22</b>	Interference 3 (B)	Lab 3: interferometry (A)	9.7-8	PL/PK
<b>24</b>	Diffraction 1		10.1-2	PL
<b>29</b>	Diffraction 2 (A)	Lab 4: diffraction (B)	10.3-5	PL/PK
<b>31</b>	Diffraction 2 (B)	Lab 4: diffraction (A)	10.3-5	PL/PK
<b>5 April</b>	EXAM 2			
<b>7</b>	Lasers 1 (A)	Lab 5: optical devices (B)	13	PK/PL
<b>12</b>	Lasers 1 (B)	Lab 5: optical devices (A)	13	PK/PL
<b>14</b>	Lasers 2 (A)	Lab 6: spectral composition of light (B)	13	PK/PL
<b>19</b>	Lasers 2 (B)	Lab 6: spectral composition of light (A)	13	PK/PL
<b>21</b>	Fiber optics		13	PK
<b>26</b>	Holography		13	PK
<b>28</b>	TBD			
<b>3 May</b>	8-10:30am FINAL			