

Date	Class	Topic	Reading	Homework
8-30 (Tu)	L-1	Electric force and electric fields for point charges, using vectors		
8-31 (W)	R-1	Demonstrate homework procedures; work ex. 21.9 using vector notation;	<b>21</b> §1–4	HW-1 due
9-1 (Th)	L-2	Electric fields due to continuous charge distributions; work ex. 21-11	<b>21</b> §5–7	
9-2 (F)	R-2	Work exs. 21-10 and 21-12; calculate field of disk of charge; discuss HW-2		HW-2 due
9-6 (Tu)	L-3	Gauss's Law; work exs. 22-6, 7	<b>22</b> §1–5	
9-7 (W)	R-3	<b>Quiz 1</b> ; work exs. 22-9; discuss HW-3		HW-3 due
9-8 (Th)	L-4	Electric potential and potential difference	<b>23</b> §1–4	
9-9 (F)	R-4	Discuss HW-4;		HW-4 due
9-13 (Tu)	L-5	Potential gradient; capacitance	<b>23</b> §5; <b>24</b> §1–2	
9-14 (W)	R-5	<b>Quiz 2</b> ; work ex. 24-3; discuss HW-5		HW-5 due
9-15 (Th)	L-6	Energy density in field; dielectrics	<b>24</b> §3–5, <b>25</b> §1	
9-16 (F)	R-6	Discuss HW-6; work exs. 24,10–11		HW-6 due
9-20 (Tu)	L-7	Circuits; Kirchoff's rules	<b>25</b> §2–5; <b>26</b> §1–2	
9-21 (W)	R-7	<b>Quiz 3</b> ; discuss problem 24 (p 909); discuss HW-7		HW-7 due
9-22 (Th)	L-8	RC circuits	<b>26</b> §4–5	
9-23 (F)	R-8	Discuss HW-8; work ex. 26-13		HW-8 due
9-27 (Tu)	L-9	Magnetic field and the force on moving charges	<b>27</b> §1–5	
9-28 (W)	R-9	<b>Quiz 4</b> ; work ex. 27-4; discuss HW-9		HW-9 due
9-29 (Th)	L-10	Magnetic force on currents	<b>27</b> §6–8	
9-30 (F)	R-10	Discuss HW-10		HW-10 due
10-4 (Tu)	L-11	Catch up lecture Review session: 7:00 pm, LL270		
10-5 (W)	R-11 E-1	Review for exam <i>FIRST HOUR EXAM at 4:10 pm on October 5</i>		no HW due
10-6 (Th)	L-12	Magnetic field of moving charges	<b>28</b> §1–7	
10-7 (F)	R-12	Work ex. 28-4 ; discuss HW-12 <i>PACING BREAK: October 10–11</i>		HW-12 due
10-12 (W)	R-13	Return and discuss exam; discuss HW-13		HW-13 due
10-13 (Tu)	L-13	Ampere's Law; magnetic materials	<b>28</b> §8	
10-14 (F)	R-14	Discuss HW-14		HW-14 due
10-18 (Th)	L-14	Faraday's Law	<b>29</b> §1–4	
10-19 (W)	R-15	<b>Quiz 5</b> ; discuss HW-15		HW-15 due
10-20 (Th)	L-15	Inductance; Maxwell's Equations	<b>29</b> §5–7; <b>30</b> §1–3	
10-21 (F)	R-16	Discuss HW-16		HW-16 due

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Date	Class	Topic	Reading	Homework
10-25 (Tu)	L-16	AC circuits: transients and steady state	<b>30</b> §4-6	
10-26 (W)	R-17	<b>Quiz 6</b> ; discuss HW-17		HW-17 due
10-27 (Th)	L-17	Steady state AC circuits; phasor diagrams	<b>31</b> §1-3	
10-28 (F)	R-18	Discuss HW-18; work exs. 31-4,5		HW-18 due
11-1 (Tu)	L-18	Resonance in ac circuits; transformers	<b>31</b> §4-6	
11-2 (W)	R-19	<b>Quiz 7</b> ; discuss HW-19		HW-19 due
11-3 (Th)	L-19	Start waves (download text from web)	Handout, part I	
11-4 (F)	R-20	Discuss HW-20		HW-20 due
11-8 (Tu)	L-20	Catch up lecture Review Session: 7:00 pm, LL270		
11-9 (W)	R-21	Review for exam		no HW due
	E-2	<i><b>SECOND HOUR EXAM at 4:10 pm on November 9</b></i>		
11-10 (Th)	L-21	Superposition of waves	Handout, part II	
11-11 (F)	R-22	Discuss HW-22		HW-22 due
11-15 (Tu)	L-22	Light as an E&M wave	<b>32</b> §1-5	
11-16 (W)	R-23	<b>Quiz 8</b> ; discuss HW-23		HW-23 due
11-17 (Th)	L-23	Ray optics: mirrors	<b>33</b> §1-2; <b>34</b> §1-2	
11-18 (F)	R-24	Discuss HW-24		HW-24 due
11-22 (Tu)	L-24	Ray optics: lenses	<b>33</b> §3, <b>34</b> §3-4	
<i><b>THANKSGIVING BREAK: November 23-25</b></i>				
11-29 (Tu)	L-25	Ray optics: optical instruments	<b>33</b> §4; <b>34</b> §5-8	
11-30 (W)	R-25	<b>Quiz 9</b> ; discuss HW-25		HW-25 due
12-1 (Th)	L-26	Physical optics: interference	<b>33</b> §7; <b>35</b> §1-5	
12-2 (F)	R-26	Discuss HW-26		HW-26 due
12-6 (Tu)	L-27	Physical optics: diffraction, polarization	<b>33</b> §5; <b>36</b> §1-5	
12-7 (W)	R-27	discuss HW-27		HW-27 due
12-8 (Th)	L-28	Resolution of optical instruments	<b>36</b> §7	
12-9 (F)	R-28	Discuss HW-28		HW-28 due
	E-3	<i><b>FINAL EXAM (scheduled by the Registrar during the period Dec. 13-21)</b></i>		

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