

Date	Class	Topic	Reading	Homework
8-24 (Tu)	L-1	Electric force and electric fields for point charges, using vectors		
8-25 (W)	R-1	Work ex. 21-4 and 21-8 using vector notation; go over HW-1	<b>21</b> §1–6	HW-1: <b>21</b> Q 10,12; P 8,9
8-26 (Th)	L-2	Electric fields due to continuous charge distributions	<b>21</b> §7–10	HW-2: <b>21</b> Q 16,27; P 12,30,38 P 12: find force on one charge
8-27 (F)	R-2	Work ex. 21-9 and 21-11; go over HW-2		
8-31 (Tu)	L-3	Gauss's Law	<b>22</b> §1–4	HW-3: <b>21</b> P 45,48,74,84
9-1 (W)	R-3	Work ex. 22-4,5; go over HW-3		
9-2 (Th)	L-4	Electric potential and potential difference	<b>23</b> §1–5	HW-4: <b>22</b> Q 6,7,10,13; P 22
9-3 (F)	R-4	Work ex. 23-2a,7; go over HW-4		
9-7 (Tu)	L-5	Electrical energy and capacitance	<b>23</b> §6–9 <b>24</b> §1–4	HW-5: <b>23</b> Q 11,18; P 8,16,33
9-8 (W)	R-5	<b>Quiz 1</b> ; work ex. 24-3; go over HW-5		
9-9 (Th)	L-6	Electric current and batteries	<b>24</b> §5,6 <b>25</b> §1–6	HW-6: <b>24</b> Q 10; P 6,24,28 P 6: the two Cs are in parallel
9-10 (F)	R-6	Work ex. 24-8; go over HW-6		
9-14 (Tu)	L-7	Kirchoff's rules	<b>25</b> §8 <b>26</b> §1–3	HW-7: <b>24</b> P 59 and <b>25</b> P 37,54,58,62
9-15 (W)	R-7	Work ex. 26-3,8; go over HW-7		
9-16 (Th)	L-8	RC circuits	<b>26</b> §4,5	HW-8: <b>26</b> P 25,27,31,42
9-17 (F)	R-8	Work ex. 26-13; go over HW-8		
9-21 (Tu)	L-9	Review for first hour exam		HW-9: <b>26</b> P 44,80
9-22 (W)	R-9	Answer questions; go over HW-9		
	E-1	<i><b>FIRST HOUR EXAM at 4:10 pm on September 22</b></i>		
9-23 (Th)	L-10	Magnetic force	<b>27</b> §1–3	HW-10 <b>27</b> Q 2; P 1
9-24 (F)	R-10	Go over exam		

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Date	Class	Topic	Reading	Homework
9-28 (Tu)	L-11	Torques on current loops; magnetic field sources, Biot-Savart Law	<b>27</b> §4–7 <b>28</b> §6	HW-11 <b>27</b> P 9,18,20,68
9-29 (W)	R-11	work ex. 27-8 and 28-9 go over HW-11		
9-30 (Th)	L-12	Ampere's Law	<b>28</b> §1–5	HW-12 <b>27</b> P 29,34,36 and <b>28</b> P 30
10-1 (F)	R-12	<b>Quiz 2</b> Go over HW-12		
10-5 (Tu)	L-13	Magnetic Materials	<b>28</b> §7–10	HW-13 <b>28</b> P 18,27b,32,37
10-6 (W)	R-13	work ex. 28-8 Go over HW-13		
<i>PACING BREAK: Note Recitation on Monday 10-11</i>				
10-11 (M)	R-14	Faraday's Law work Ex. 29-2,3,4	<b>29</b> §1–3	
10-12 (Tu)	L-14	Faraday's Law	<b>29</b> §4–7	HW-14 <b>28</b> P 46,58abc <b>29</b> 11,14
10-13 (W)	R-15	Go over HW-14		
10-14 (Th)	L-15	Inductance	<b>30</b> §1–4	HW-15 <b>29</b> P 21,25,40,41,44
10-15 (F)	R-16	<b>Quiz 3</b> ; go over HW-15		
10-19 (Tu)	L-16	AC circuits: transients and steady state	<b>30</b> §5,6 <b>31</b> §1–5	HW-16 <b>29</b> P 65,66,69 <b>30</b> 5,14
10-20 (W)	R-17	Go over HW-16		
10-21 (Th)	L-17	Steady state AC circuits; displacement current	<b>31</b> §6 <b>32</b> §1–5	HW-17 <b>30</b> 15,20,26 <b>31</b> 9,16
10-22 (F)	R-18	Go over HW-17		
10-26 (Tu)	L-18	Start waves	Mechanical Waves handout – Part I	HW-18 <b>31</b> P 26,40,52 <b>32</b> P 4,11
10-27 (W)	R-19	Go over HW-18		
10-28 (Th)	L-19	Superposition of waves;	Mechanical Waves handout – Part II	HW-19 Do the problem set in the handout.
10-29 (F)	R-20	<b>Quiz 4</b> ; go over HW-19		

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Date	Class	Topic	Reading	Homework
11-1 (Mon)		Review session 7:10 pm, LL270		
11-2 (Tu)	L-20	Morning lecture cancelled		no homework due
	E-2	<i>SECOND HOUR EXAM at 4:10 pm on November 2</i>		
11-3 (W)	R-21	Go over hour exam		
11-4 (Th)	L-21	Light as an E&M wave	<b>32</b> §6–9	HW-21 <b>32</b> P 12,18,19
11-5 (F)	R-22	return hour exam; go over HW-21		
11-9 (Tu)	L-22	Geometric optics I mirrors	<b>33</b> §1–4	HW-22 <b>32</b> P 25,34,36,40
11-10 (W)	R-23	Go over HW-22 work Ex. 33-5,6		
11-11 (Th)	L-23	Geometric optics II lenses	<b>33</b> §5–8 <b>34</b> §1,2	HW-23 <b>33</b> P 6,10,18,20,22
11-12 (F)	R-24	<b>Quiz 5</b> ; Go over HW-23		
11-16 (Tu)	L-24	Geometric optics III optical instruments	<b>34</b> §3–10	HW-24 <b>33</b> P 29; <b>34</b> P 8,9,11,77 draw ray diagram for P 29,8,11
11-17 (W)	R-25	Go over HW-24		
11-18 (Th)	L-25	Physical optics Interference and diffraction	<b>35</b> §1–4,6,7	HW-25 <b>34</b> P 5,20,21,30 <b>35</b> P 5
11-19 (F)	R-26	Go over HW-25 work Ex. 35-7,8		
11-23 (Tu)	L-26	Diffraction and polarization	<b>36</b> read all except §2,6,9	HW-26 <b>34</b> P 62 <b>35</b> P 8,10,24,42
<i>THANKSGIVING BREAK</i>				
11-30 (Tu)	L-27	go over HW-26, polarization	<b>39</b> §1–3	HW-27 <b>36</b> P 21,34a,54,55,63
12-1 (W)	R-27	<b>Quiz 6</b> ; go over HW-27		
12-2 (Th)	L-28	Quantum mechanics	<b>38</b> §5–6 <b>39</b> §4	HW-28 <b>38</b> P 31,32,36 <b>39</b> P 3,11
12-3 (F)	R-28	Go over HW-28		
	E-3	<i>FINAL EXAM is Wednesday, Dec. 15, 8:00 am – 11:00 am</i>		

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