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	Halliday et al., Fundamentals of Physics, 7th ed., Wiley						
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1 9/2-9/7	1	21.1-21.3	Introduction; Electric Charge				
	2	21.4-21.6	Coulomb's Law	• 5A.10	16-24	;	17-1
	3	22.1-22.5	Electric Field; Point Charge and Dipole Field			17-10	
2 9/9-9/14	1	22.6-22.9	Other Examples of Electric Field; Dipole in an Electric Field				
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	3	23.6-23.9	Application of Gauss' Law				
3 9/16-9/21	1	24.1-24.6	Electric Potential	• 5A 50.30	17-7		
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5 9/30-10/5	1	26.6-26.9	Ohm's Law; Semiconductors and Superconductors			16-14	
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6 10/7-10/12	1	27.6-27.9	Multi-Loop Circuits; RC Circuits		17-25	Wheatstone bridge	;
	2	28.1-28.5	Magnetic Field; Hall Effect		19-6	가)	
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7 10/14-10/19	1	28.6-28.10	Particles and Objects in a Magnetic Field	• 5G 1	20-3	;	20-9 DC
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8 10/21-10/26	1	30.4-30.8	Lenz's Law; Inductors and Inductance		20-24	;	20-25 Arago
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	3	31.1-31.6	LC Oscillations; Damped Oscillations in an RLC Circuit				
9 10/28-11/2	1	31.7-31.11	Forced Oscillations; RLC Circuits				
	2	32.1-32.6	Maxwell's Equations				
	3	32.7-32.11	Magnetism in Matter				
10 11/4-11/9	1	33.1-33.5	Electromagnetic Wave; Poynting Vector		21-11	Radio	
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	3			3	12	14	( 33 -40 )

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→ **Physics Demonstration** → **movie**  
※ Serway&Jewett, Principles of Physics(3rd ed.), Harcourt chapter

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○ Java Applet  
○ → → **Physics Demonstration** →

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(3) ‘University of Texas Homework System Guideline’

(4) 2 \_\_\_\_\_ **office hour** . 27

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(5) *Explain the concept of a derivative and its applications in real-life situations.*

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