

Physics 115 - Spring 2022

Textbook

Course Schedule

College Physics, Knight, Jones Field

Week	Day	Date	Lecture	Content	Reading
1	M	28-Mar	1	Introduction/Charge	20.1 - 20.3
	T(night)	29-Mar	2	Electric Force and Electric Field	20.3 - 20.5
	W	30-Mar	3	Applications & Torques in Electric Fields	20.6 - 20.7
	F	1-Apr	4	Electric Potential & Potential Energy	21.1 - 21.3
2	M	4-Apr	5	Electric Potential & Electric Field	21.4 - 21.5
	T(night)	5-Apr	Tutorial 1	Charge	
	W	6-Apr	6	Electrocardiogram	21.6
	F	8-Apr	7	Capacitance	21.7 - 21.8
3	M	11-Apr	8	Current and Resistance	22.1 - 22.5
	T(night)	12-Apr	Tutorial 2	Electric Potential Difference	
	W	13-Apr	9	Kirchhoff's Laws	23.1 - 23.4
	F	15-Apr	10	Complex Circuits	23.5 - 23.6
4	M	18-Apr	11	RC Circuits & Electricity in the Nervous System	23.7 - 23.8
	T(night)	19-Apr	Tutorial 3	Capacitance	
	W	20-Apr	12	Magnetic Fields	24.1 - 24.4
	F	22-Apr	13	Magnetic Forces	24.5 - 24.6
5	M	25-Apr	Review		
	T(night)	26-Apr	Midterm 1	Covering Lectures 1-10 and Tutorials 1-2	
	W	27-Apr	14	Transforming Energy	11.1 & 11.2
	F	29-Apr	15	Energy in the Body and Temperature	11.2 - 11.3
6	M	2-May	16	Heat and First Law of Thermodynamics	11.3 - 11.4
	T(night)	3-May	Tutorial 4	Magnets and Magnetic Forces	
	W	4-May	17	Entropy	11.7 - 11.8
	F	6-May	18	Ideal Gases	12.1 - 12.2
7	M	9-May	19	Ideal-gas Processes	12.3
	T(night)	10-May	Tutorial 5	Ideal Gas Law	
	W	11-May	20	Thermal Expansion /Specific Heats	12.4 - 12.5
	F	13-May	21	Heat of Transformation	12.5
8	M	16-May	Review		
	T(night)	17-May	Midterm 2	Covering Lectures 11-18 and Tutorials 3-5	
	W	18-May	22	Calorimetry	12.6 - 12.7
	F	20-May	23	Heat Transfer / Diffusion	12.8 - 12.9
9	M	23-May	24	Hydrostatic Pressure	13.1 - 13.2 & 13.7
	T(night)	24-May	Tutorial 6	First Law of Thermodynamics	
	W	25-May	25	Buoyancy	13.3
	F	27-May	26	Ideal Fluid Flow	13.4 - 13.5 & 13.7
10	M	30-May	<i>Holiday</i>		
	T(night)	31-May	Tutorial 7	Pressure	
	W	1-Jun	27	Viscous Fluid Flow	13.6 - 13.7
	F	3-Jun	Review		

11	W	8-Jun	Final Exam	8:30am-10:20am, PAA A118	Comprehensive
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