

Physics 2220, Spring 2020, Revised Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
January	6 Electric Charge Vol. 2, 5.1-5.2	7 Coulomb's Law 5.3	8 Electric Fields 5.4	9 Fields of Lines and Planes 5.5-5.7	10 Problem Set and Quiz #1
	13 Flux and Gauss's Law Chapter 6	14 Electric Potential Energy 7.1	15 Voltage (Elec. Potential) 7.2-7.3	16 Problem Set and Quiz #2	17 Applications of Voltage 7.4-7.6
	20 M.L. King Day	21 Capacitors 8.1-8.2	22 Energy in the Electric Field 8.3-8.5	23 Problem Set and Quiz #3	24 Electric Current 9.1
	27 Test (problem sets 1-3)	28 Resistance and Ohm's Law 9.2-9.4	29 Electric Power 9.5	30 Problem Set and Quiz #4	31 Kirchoff's Rules 10.1-10.3
February	3 DC Circuits 10.4-10.6	4 Magnetism 11.1-11.2	5 Problem Set and Quiz #5	6 Magnetic Forces 11.3-11.7	7 Sources of the Magnetic Field 12.1-12.4
	10 Ampere's Law 12.5-12.6	11 More about Magnetism 12.7	12 Problem Set and Quiz #6	13 Motional EMF 13.3	14 Test (problem sets 4-6)
	17 Presidents Day	18 Faraday's Law 13.1-13.6	19 Inductance 14.1-14.2	20 Problem Set and Quiz #7	21 RL Circuits 14.3-14.4
	24 AC Circuits 14.5-15.6	25 Maxwell's Equations 16.1	26 Electromagnetic Waves 16.2-16.5	27 Problem Set and Quiz #8	28 Polarization Vol. 3, 1.7
March	2	3	4 Spring break	5	6
	9 Reflection and Refraction 1.2-1.5	10 Image Formation 2.1-2.2	11 Lenses 2.3-2.8	12 Problem Set and Quiz #9	13 Emergency
	16 coronavirus	17 closure	18 Two-Slit Interference 3.1-3.3	19 Test (problem sets 7 - 9)	20 Thin Films 3.4
	23 Single-Slit Diffraction Chapter 4	24 The Particle Nature of Light 6.2	25 Problem Set and Quiz #10	26 The Wave Nature of Particles 6.5-6.6	27 Wavefunctions 7.1-7.3
	30 Energy Quantization 7.4-7.5	31 Hydrogen Atom 6.4, 8.1	1 Problem Set and Quiz #11	2 The Principle of Relativity 5.1	3 Test (problem sets 10 - 11)
April	6 Time Dilation 5.2-5.3	7 Length Contraction 5.4	8 Problem Set and Quiz #12	9 The Cosmic Speed Limit 5.5-5.6	10 Relativistic Energy 5.8-5.9
	13 Properties of Nuclei 10.1	14 Problem Set and Quiz #13	15 Radioactivity 10.3	16 Energy in Nuclear Reactions 10.2, 10.4	17 Problem Set and Quiz #14
	20 Review for Final Exam	21	22 Final Exam	23	24

Readings are from OpenStax University Physics, volumes 2 and 3