

Physics 102 Honors Schedule Spring 2026

version 3

Week	Class	Day	Date	Chapter	Topics	[Homework due at 11:59 pm]
				(Volume 2)		
1	1	W	Jan. 21	1.1, 1.2	Temperature, Thermal Equilibrium, Thermometers	
	2	R	Jan. 22	1.3, 1.4	Thermal Expansion, Internal Energy	
	3	F	Jan. 23	1.5	Specific Heat, Phase Changes	
2	4	M	Jan. 26		<i>snow day</i>	
	5	W	Jan. 28	1.6, 2.1	Calorimetry, Heat Transfer, Ideal Gas Law	
	6	R	Jan. 29	2.2	Van der Waals gas, Kinetic Theory	
	7	F	Jan. 30	2.4, 3.5	Kinetic Theory cont'd, Maxwell-Boltzmann	Homework 1
3	8	M	Feb. 2	3.1-3.4	First Law of Thermodynamics, simple processes	
	9	W	Feb. 4	3.6, 4.2	Heat Engines; Adiabatic processes	
	10	R	Feb. 5	4.1, 4.3, 4.5	Carnot Cycle; Refrigerators & Heat Pumps	Homework 2
	11	F	Feb. 6	2.3, 3.5	Equipartition; heat capacities of gases	
4	12	M	Feb. 9	4.4	Second Law of Thermodynamics	
	13	W	Feb. 11	4.6, 4.7	Entropy	Homework 3
	14	R	Feb. 12		<i>Review of Thermodynamics</i>	
	15	F	Feb. 13		Test 1	
5	16	M	Feb. 16	5.1, 5.2	Charge, Induction, Conductors & Insulators	
	17	W	Feb. 18	5.3, 5.4	Coulomb's Law, Electric Field	
	18	R	Feb. 19	5.5 - 5.7	Calculating Field, Field Lines	
	19	F	Feb. 20	6.1 - 6.2	Electric Flux, Gauss's law	
6	20	M	Feb. 23	6.3, 6.4	Applying Gauss's law	
	21	W	Feb. 25	7.1 - 7.3	Electric Potential & Potential Energy	Homework 4
	22	R	Feb. 26	7.4 - 7.6	Electric Field from Potential, Equipotentials	
	23	F	Feb. 27	8.1 - 8.2	Capacitance	
7	24	M	Mar. 2	8.3 - 8.5	Energy in Capacitors; Dielectrics	
	25	W	Mar. 4	9.1 - 9.4	Current, Resistance, Ohm's Law	Homework 5
	26	R	Mar. 5	9.5, 9.6	Electrical Energy & Power	
	27	F	Mar. 6	10.1 - 10.3	EMF, Batteries, Resistor circuits	
8			Mar. 11-15		<i>Spring Break</i>	
9	28	M	Mar. 16	10.3	Kirchoff's Rules	
	29	W	Mar. 18	10.4 - 10.6	Electrical measurements, RC circuits	Homework 7
	30	R	Mar. 19		<i>Review of Electricity</i>	
	31	F	Mar. 20		Test 2	
10	32	M	Mar. 23	11.1 - 11.3	Magnetism, Magnetic Fields, Lorentz Force	
	33	W	Mar. 25	11.4 - 11.7	Force on Currents, Current Loops, Hall Effect	
	34	R	Mar. 26	12.1 - 12.3	Biot-Savart Law	
	35	F	Mar. 27	12.4 - 12.7	Field of Current loop, Ampere's law	
11	36	M	Mar. 30	13.1 - 13.3	Faraday's Law, Lenz's Law, Motional EMF	
	37	W	Apr. 1	13.4 - 13.6	Induced Electric fields, Eddy currents, Generators	Homework 8
	38	R	Apr. 2	14.1 - 14.3	Inductors, Energy in a Magnetic Field	
	39	F	Apr. 3	14.4 - 14.6	RL, LC, RLC circuits	
12	40	M	Apr. 6	15.1 - 15.3	AC Circuits	
	41	W	Apr. 8	15.4 - 15.6	Power in AC circuit; Resonance	Homework 9
	42	R	Apr. 9	16.1 - 16.3	Maxwell's Equations, EM waves	
	43	F	Apr. 10	16.4 - 16.5	Radiation Pressure, EM spectrum	
13	44	M	Apr. 13		<i>Review of Magnetism</i>	
	45	W	Apr. 15	(Volume 3)	Test 3	
	46	R	Apr. 16	1.1 - 1.4	Reflection, Refraction, Total Internal Reflection	
	47	F	Apr. 17	1.5 - 1.7	Dispersion, Polarization	
14	48	M	Apr. 20	2.1 - 2.2	Mirrors	
	49	W	Apr. 22	2.3 - 2.4	Lenses	Homework 10
	50	R	Apr. 23	2.5 - 2.8	The Human eye, Telescopes, Microscopes	
	51	F	Apr. 24	3.1 - 3.3	Interference of Waves	
15	52	M	Apr. 27	3.4 - 3.5	Thin Film interference, Interferometers	
	53	W	Apr. 29	4.1 - 4.3	Diffraction	Homework 11
	54	R	Apr. 30	4.4 - 4.6	Diffraction gratings, Rayleigh's criterion	
	55	F	May 1		<i>General review</i>	
		T	May 5		Final Exam 9:00 am - 12:00 noon	