

# *Physics 4C-03 Schedule (Spring 2024)*

<u>Week</u>	<u>Dates</u>	<u>Topics</u>	<u>Chapter</u>	<u>Lab</u>
1	Jan. 29 – Feb. 2	Temperature and Heat	18	Lab Kit Pick-up
2	Feb. 5 – 9	1 <sup>st</sup> Law of Thermodynamics Ideal Gases	18, 19	Temperature and Heat
3	Feb. 12 – 16	Kinetic Theory and Specific Heat	19	Newton's Law of Cooling
4	Feb. 19 – 23	Heat Engines and Entropy	20	<i>Holiday</i>
5	Feb. 26 – March 1	Entropy review for Exam 1	20, review	Absolute Zero
6	March 4 – 8	<b>Exam 1: 3/4 (Mon.)</b> Electromagnetic Waves	<b>Exam 1, 33</b>	<b>Celebration #1</b>
7	March 11 – 15	Images, Mirrors, and Lenses	34	Reflection / Refraction
8	March 18 – 22	Optical Instruments Interference	34, 35	Optics/Lenses
	March 25 – 29	<b>Spring Break</b>		
9	April 1 – 5	Two-Slit Diffraction and Thin Films	35	<i>Holiday</i>
10	April 8 – 12	Single-Slit Diffraction	36	Interference
11	April 15 – 19	Diffraction and Diff. Gratings Review for Exam 2	36, review	Diffraction
12	April 22 – 26	<b>Exam 2: 4/22 (Mon.)</b> Photons and Matter Waves	<b>Exam 2, 38</b>	<b>Celebration #2</b>
13	April 29 – May 3	Quantization	38, 39	DIY Lab
14	May 6 – 10	More About Matter Waves	39, 40	DIY Lab (cont.)
15	May 13 – 17	Relativity Review for Final Celebration	40, review	Lab Presentations
16	May 20 – 24	<b>FINAL CELEBRATION: Monday, May 20</b>		