

## ***Tentative PH101 Spring 2024 Semester Schedule***

<u>WEEK</u>	<u>CHAPTER &amp; TOPIC</u>	<u>LABORATORIES</u>
1 – Jan 22	Chapters 1-2: Intro, describing motion	1 -- Linear data analysis 2 -- Constant velocity motion
2 – Jan 29	Chapter 3.1-3.3: Falling objects	3 – Graph matching 4 – Free fall acceleration
3 – Feb 5	Chapter 3.4-3.5: Projectile motion Chapter 4: Newton's Laws, weight vs. mass	5 -- Target 6 -- Projectile motion
4 – Feb 12	Chapter 4: Newton's Laws Review	7 -- Factors of acceleration 8 -- Friction
5 – Feb 19	Chapter 5.1-5.2: Circular motion Chapter 5.4: Universal gravitation	EXAM #1 (Wed. in Lab B112) 9 -- Circular motion
6 – Feb 26	Chapter 6.1-6.4: Energy & work Chapter 6.5: Simple harmonic motion	10 -- Energy, work, & power 11 -- Oscillation of a pendulum
7 – Mar 4	Chapter 7.1-7.4: Momentum & impulse Review	12 -- Harmonic oscillation 13 – 1-D Collisions
8 – Mar 11	Chapter 12.1-12.4: Electrostatic phenomena	14 – Electrostatics 15 -- DC circuits
<b>Mar 18-22: Spring Break</b>		
9 – Mar 25	Chapter 13: Electric circuits	EXAM #2 (Wed. in Lab B112) 16 -- Ohm's Law
10 – Apr 1	Chapter 14: Magnetism/Electromagnetism	17 -- Ohm's Law 18 -- Simple DC motor
11 – Apr 8	Chapter 14: Electromagnetism/Review Chapter 15.1-15.4: Waves	19 – Credit card swiper 20 – Waves
12 – Apr 15	Chapter 15.1-15.4: Waves	21 – Standing waves
13 – Apr 22	Chapter 16.1-16.2: Light waves Chapter 17.1, 17.4: Reflection of light	EXAM #3 (Wed. in Lab B112) 22 – Speed of sound
14 – Apr 29	Chapter 17.1, 17.4: Reflection of light Chapter 17.2-17.3, 17.5: Refraction of light	23 – Plane mirrors 24 – Curved mirrors
15 – May 6	Chapter 17.2-17.3, 17.5: Refraction of light Review	25 – Refraction of light 26 – Thin lenses