Sahyun **Physics 360 Schedule** **Spring 2026** Updated 3/6/2026

Week	Class	Day	Date	Topic/Lab	Book Sections	Assigned Reading Pages	Assignment (Due)
1	1	Mon	26-Jan	Introduction, MatLAB, Python, LaTeX and Laser Safety			
	2	Wed	28-Jan	Description of Light	1.4 - 1.5	Kenyon 9-18	H0 Laser Safety Quiz
	L1	Fri	30-Jan	**Lab 0: Lab Introduction and LabArchives**			
2	3	Mon	2-Feb	Light Waves	1.6 - 1.10	18-28	H1 MATLAB Printout of Kenyon 1.1 calculation.
	4	Wed	4-Feb	Ray Optics	2.1 - 2.4	31-45	H2 (1.5, 1.8)
	L2	Fri	6-Feb	**Lab 1: Speed of Light**			
3	5	Mon	9-Feb	Mirrors and Lenses	3.1-3.4	47-57	H3 (2.2)
	6	Wed	11-Feb	Python/MatLAB project 1: Lens equation and ray diagrams			
	L3	Fri	13-Feb	**Lab 2: Cell Phone Optics I**			
4	7	Mon	16-Feb	Lens Matrix	3.5-3.6	57-70	H4 (2.4), MATLAB P1
	8	Wed	18-Feb	Optical Systems	4.1-4.4; 4.6-4.8	75-85; 93-94	H5 (3.10, 4.1)
	L4	Fri	20-Feb	**Lab 3: Optical Coatings**			
5	9	Mon	23-Feb	Midterm 1 (CH 1-4)			
	10	Wed	25-Feb	Wave Optics	5.1-5.3	97-105	
	L5	Fri	27-Feb	**Lab 4: Cell Phone Lens and Microscopes**			
6	11	Mon	2-Mar	Interferometers	5.4, 5.6-5.7.2;	105-107; 115-118	H6 (5.1)
	12	Wed	4-Mar	Interferometers cont.	5.8-5.9	120-128	H7 (5.4)
	L6	Fri	6-Mar	**Lab 5: Holographic Diffraction**			
7	13	Mon	9-Mar	Diffraction - single; multi slit	6.1-6.7	133-143	H8 (5.9) AΩ=2013 Mm^2*str
	14	Wed	11-Mar	Diffraction grating, spectrometer	6.8-6.9	143-150	H9 (6.2) phi = 15°
	L7	Fri	13-Mar	**Lab 6: Interferometers**			
8	15	Mon	16-Mar	Python/MatLAB project 2: Diffraction graphs			
	16	Wed	18-Mar	Fresnel and Fraunhofer Diffraction	6.10 - 6.14	150-160	H10 (6.5)
	L8	Fri	20-Mar	**Lab 7: Single and Multiple Slit Diffraction**			
9				Spring Break			
10	17	Mon	30-Mar	Fourier Optics, linewidth and bandwidth	7.1-7.2, 7.3 -7.3.3	169-173, 177-189	H11 (6.9), MATLAB P2
	18	Wed	1-Apr	Spatial Transforms and Holography	7.4-7.8	189-203	H12 (7.1)
	L9	Fri	3-Apr	**Lab 8: Multiple Slit Diffraction Analysis**			
11	19	Mon	6-Apr	Reflection and Refraction, Fresnel's equations	9.1-9.5; 9.6-9.7	239-240; 251-255;255-266	H13 (7.6)
	20	Wed	8-Apr	Midterm 2 (CH 5-7)			
	L10	Fri	10-Apr	**Lab 9: Cell Phone Spectroscopy**			
12	21	Mon	13-Apr	Waveguides			
	22	Wed	15-Apr	Waveguides, thin films	9.8-9.9	267-274	H14 (9.3)
	L10	Fri	17-Apr	**Lab 10: Polarization of Cell Phone Display**			
13	23	Mon	20-Apr	Polarization, LCD and optical activity	10.1-10.4; 10.5; 10.5.2-10.8	277-283; 288-289; 290-307	H15 (9.9)
	24	Wed	22-Apr	Python/MatLAB project 3 - Graphing Polarization, Malus' Law			
	L11	Fri	24-Apr	**Lab 11: Digital Holography**			
14	25	Mon	27-Apr	Scattering, Absorption and dispersion, Group Velocity	11.1-11.5; 11.6-11.6.2	309-331	H16 (10.5, 10.8)
	26	Wed	29-Apr	Lasers	14.1-14.4	397-412	H17 (11.5, 11.7), MATLAB P3
	L11	Fri	1-May	**Lab 11: Digital Holography (cont.)**			
15	27	Mon	4-May	Lasers (cont.)	14.7-14.8.1	423-434	H18 (14.6)
	28	Wed	6-May	Fiber Optics	16.1-16.2; 16.4-16.5	493-506	H19 (14.14)
	LA	Fri	8-May	**Lab Assessment Day**			H21 (16.2, 16.10)
16		Mon	11-May	Final 12:15 pm - 2:15 pm (CH 9-11, 14, 16)			