

LECTURE SCHEDULE (subject to change)

Spring 2017

L	DATE	DAY	TOPICS	HOMEWORKS	LABS	GROUP PROJECT
1	January 10	Tuesday	Syllabus, Light, Fermat's Principle			
2	January 12	Thursday	Snell's law, Huygen's Principle	HW 1		
3	January 17	Tuesday	Refraction at curved surfaces, image formation			
4	January 19	Thursday	Series of images, magnification,	HW 2 HW1 Due		
5	January 24	Tuesday	Thin Lenses		Lab 1 (Converging Lens)	
6	January 26	Thursday	Curved mirrors	HW 3 HW 2 Due		
7	January 31	Tuesday	Aberration, prisms, apertures		Lab 2 (Diverging Lens)	
8	February 2	Thursday	Practice M1	HW 3 Due		
9	February 7	Tuesday	Midterm I		No lab this week	
10	February 9	Thursday	Waves	HW 4		
11	February 14	Tuesday	Polarization		Lab 3 (Microscope)	
12	February 16	Thursday	Polarization vector, interference	HW 5 HW 4 Due		
13	February 21	Tuesday	Phase Shift		Lab 4 (Aberrations)	GW 1
14	February 23	Thursday	Fringes	HW 6 HW 5 Due		
15	February 28	Tuesday	Michelson Interferometer		Lab 5 (Interference)	GW 2
16	March 2	Thursday	Two narrow slits	HW 7 HW 6 Due		
	March 7 – 9		Spring break			

17	March 14	Tuesday	Single Slit diffraction		Lab 6 (Michelson)	GW 3
18	March 16	Thursday	Practice MT II	HW 7 Due		
19	March 21	Tuesday	Midterm II		No lab this week	GW 4
20	March 23	Thursday	Single Slit diffraction	HW8		
21	March 28	Tuesday	Double-slit diffraction		Lab 7 (Diffraction Slits/Gratings)	GW 5
22	March 30	Thursday	N-slit diffraction	HW9 HW 8 Due		
23	April 4	Tuesday	Diffraction Grating		Lab 8 (Spatial Filter)	GW 6
24	April 6	Thursday	More diffraction, holography	HW 10 HW 9 Due		
25	April 11	Tuesday	Holography, coherence		Lab 9 (Holography)	GW 7
26	April 13	Thursday	Modern Topics (optical tweezers)	HW 10 Due		
27	April 18	Tuesday	Modern Topics		Lab 10 (Laser Tweezers)	GW 8
28	April 20	Thursday	Modern Topics			
	April 25	Tuesday	Review for final (practice)		No lab this week (revise previous report)	
	April 27	Thursday	Optics lab tours			
	May 5	Friday	Final Exam 7:15 am - 9:15 am			