LECTURE SCHEDULE (subject to change)

Spring 2018

L	DATE	DAY	TOPICS	HOMEWORKS	LABS	GROUP PROJECT
1	January 9	Tuesday	Syllabus, Light, Fermat's Principle			
2	January 11	Thursday	Snell's law, Huygen's Principle	HW 1		
3	January 16	Tuesday	Refraction at curved surfaces, image formation			
4	January 18	Thursday	Series of images, magnification,	HW 2 HW1 Due		
5	January 23	Tuesday	Thin Lenses		Lab 1 (Converging Lens)	
6	January 25	Thursday	Curved mirrors	HW 3 HW 2 Due		
7	January 30	Tuesday	Aberration, prisms, apertures		Lab 2 (Diverging Lens)	
8	February 1	Thursday	Practice midterm	HW 3 Due		
9	February 6	Tuesday	Midterm I		No lab this week	
10	February 8	Thursday	Waves	HW 4		
11	February 13	Tuesday	Polarization		Lab 3 (Microscope)	
12	February 15	Thursday	Polarization vector, interference	HW 5 HW 4 Due		
13	February 20	Tuesday	Phase Shift		Lab 4 (Aberrations)	GW 1
14	February 22	Thursday	Fringes	HW 6 HW 5 Due		
15	February 27	Tuesday	Michelson Interferometer		Lab 5 (Polarization)	GW 2
16	March 1	Thursday	Two narrow slits	HW 7 HW 6 Due		
	March 6 – 8		Spring break			

17	March 13	Tuesday	Interferometry/Michelson		Lab 6 (Interference)	GW 3
18	March 15	Thursday	Michelson/Double slit interference	HW 7		
19	March 20	Tuesday	Single slit diffraction		Lab 7 (Michelson)	GW 4
20	March 22	Thursday	N-slit diffraction	HW8 HW 7 Due		
21	March 27	Tuesday	Practice midterm		No lab this week	GW 5
22	March 29	Thursday	Midterm 2	HW 8 Due		
23	April 3	Tuesday	Diffraction Grating		Lab 8 (Diffraction Slits/Gratings)	GW 6
24	April 5	Thursday	More diffraction, holography			
25	April 10	Tuesday	Holography, coherence		Lab 9 (Holography)	GW 7
26	April 12	Thursday	Modern Optics Topics			
27	April 17	Tuesday	Modern Optics Topics		Lab 10 (Laser Tweezers)	GW 8
28	April 19	Thursday	Intro to Quantum Optics	HW9		
	April 24	Tuesday	Intro to Quantum Optics		No lab this week (revise previous report)	
	April 26	Thursday	Review for final (practice)	HW 9 Due		
	May 1	Tuesday	Final Exam 3:00pm - 5:00 pm Room: BPS 1300			