

Month	Day	Lecture Topic	Reading	P. Phor. Phn.	HW Due	Labs	Notes / Deadlines
Sept	3	Intro/Fluid Statics					
	5	More Fluid Statics	Syllabus, 14.0-14.4				
	8	Fluid Dynamics	14.5-14.7		#1	#1 Start	
	10	Temperature	19.0-19.5		#2	Pressure	
	12	Heat	20.0-20.3		#3	#1 Due	
	15	Work from Heat	20.4-20.6		#4	#2 Start	
	17	Heat Transfer	20.7		#5	Specific Heat	
	19	Ideal Gas	21.0-21.2, 21.4		#6	#2 Due	
	22	Maxwell-Boltzman Gas	21.3, 21.5-21.7		#7		
	24	Heat Engines	22.0-22.1, 22.5		#8		
	26	Engines	22.2-22.4		#9		
	29	Entropy	22.6-22.7		#10		
Oct	1	What is Entropy?	22.8		#11		
	3	Waves	16.0-16.2		#12		
	6	Waves on a String	16.3-16.5	1	#13		Exam #1 Oct 6-8
	8	The Wave Equation	16.6	2.0-2.3	#14		Covers HW 1-12
	10	Reflection and Transmission		3.0-3.5	#15		Homecoming Activity
	13	Sound Waves	17.1-17.3	5	#16	#3 Start	
	15	Doppler Efct, Superposition	17.4, 18.1		#17	Dispersion	
	17	Standing Waves	18.2-18.3	4	#18	#3 Due	
	20	Resonance, Beats	18.4-18.5, 18.7			#4,5 Start	Dr. Durfee gone to Optical Society
	22	Fourier Transforms		6.0-6.5		Stand. Waves	Mtg. Oct 19-23
	24	More FT		6.6-6.7	#19,20,21	#4,5 Due	
	27	Music		7	#22	#6 Start	Proposal Due
	29	Light, Reflection, Refraction	35.1-35.5		#23	Fourier Transforms	
	31	Huygen, Fermat, Dispersion	35.6-35.9		#24	#6 Due	Exam #2 Oct 30-Nov 1 Covers HW 13-23
Nov	3	Mirrors	36.1-36.2		#25		
	5	Lenses	36.3-36.4		#26		
	7	Aberrations, Imaging Devices	36.5-36.7		#27		
	10	More Devices	36.8-36.10		#28	#7	
	12	Wave Nature of Light	37.1-37.4		#29	Telescope	
	14	More on Light Waves	37.5-37.7		#30	#7 Due	
	17	Diffraction	38.1-38.2		#31	#8 Start	Prog. Report Due
	19	More Diffraction	38.3-38.4		#32	Interferometer	
	21	Polarization	38.5-38.6		#33	#8 Due	
	24	N-dimensional Waves		8	#34	#9,10 Start	
	25	Holography		9	#35	Diffr, Brwstrs Angle	Friday Instruction Thnksgrng Break
Dec	1	Introduction to Relativity	39.0-39.3		#36		Exam #3 Dec 2-4
	3	Special Relativity	39.4		#37	#11* Holography	Covers HW 24-36
	5	Relativistic Transformations	39.5-39.7		#38	#9,10 Due	
	8	$E=mc^2$	39.8-39.9		#39		
	10	General Relativity		11.0-11.3	#40		Project Due
	11	NOTE: even though this is a Thursday, HOMEWORK IS DUE!			#41		
	15	FINAL EXAM	Monday	2:30 p.m. to 5:30 p.m.		FINAL EXAM	

*Lab 11 is a special lab. It will be done in groups. You will need to sign up for a time slot to do this lab.