

Schedule (tentative)
AST 337
Spring 2009

DATE	TOPIC	READING
Jan. 27	Intro; magnitudes and coordinate systems; Coordinate and time systems and charts; computer basics; IDL/IRAF/ds9	3.1-3.3 / 4.3 / 4.5 / 8.3
Feb. 3	Making and examining digital images	
Feb. 10	EM radiation; Telescope design and optics	5.1-5.4
Feb. 17	Gaussian, Poisson, and binomial distributions	6.5
Feb. 24	Statistical analysis, error propagation, and signal-to-noise ratios	6.5
Mar. 3	Applying statistics and curve fitting	6.5
Mar. 10	Photometry	8.1-8.3
Mar. 17	<i>Spring Break</i>	
Mar. 24	Millimeter-wave detectors	
Mar. 31	Millimeter-wave data	
Apr. 7	Millimeter-wave map-making and photometry	
Apr. 14	Atmospheric emission and absorption/extinction	2.4 / 10.4
Apr. 21	Dust extinction and reddening	10.3
Apr. 28	Observing Project presentation/discussion	