

Reading & Homework Syllabus – Astronomy 300

Week #	Class Dates	Homework & Exams	Reading: Chapters from C&O Crowell		Topics
1	Jan. 22,24,26		1	1	Basic Planet orbits, Coordinate Systems
2	Jan.29,31, Feb. 1	HW#1 due Feb.1	<i>TheWatershed</i> <i>Chapter 6</i>	2	Kepler's & Newton's Laws
3	Feb. 7,9,11	HW #2 due Feb. 11	2.1,2.2,2.3	3	Parallax, Magnitudes, Light Waves, Planck Spectrum, Wien's Law
4	Feb. 12,14,16	HW #3 due Feb. 16	3.1,3.2,3.3	4	Steph-Boltz. Law, Color Index
5	Feb. 19,21,23		3.4,3.5,3.6	5	Spectra, Bohr atom. Doppler Effect
6	Feb. 26, 28 Mar.1	HW #4 due Feb. 28	5.1 5.2,5.3	6	Binary Stars; Stellar Masses
7	Mar. 5,7,9	HW#5 due Mar. 7	7.1-7.4	7	Spectral Types, HR Diagram
8	Mar. 12,14,16	MIDTERM: Mar 14	10	8	Exoplanets
Mar. 19-23:		Spring Break			
9	Mar. 26, 28		8.1-8.2	8	Stellar Structure, Fusion, Main Sequence
10	Apr. 2, 4, 6	HW #6 due Apr. 4	10	9	The Sun
11	Apr. 9,11,13	HW #7 due Apr. 11	11		Star Formation, Stellar Evolution
12	Apr. 16,18,20	HW #8 due Apr. 18	12	13	Fate of Low-Mass Stars; White Dwarfs
13	Apr. 23, 25, 27		15	14	Fate of High Mass stars: Neutron Stars, Black Holes
14	Apr. 30, May. 2, 4	HW#9 due May 2	17		Milky Way's components
15	May. 7,9, 11	HW #10 due May 11	18		Rotation Curves
16	May. 14,16,18		24		Dark Matter
	FINAL EXAM:	Friday, May. 18, 10:45AM-1:15 PM			Pre-Midterm: 33% Post-Midterm: 60%