

JANUARY		
Day	ASTR 112	ASTR 311
1		
2		
3		
4		
5	Intro, science, sci not, angles	Intro, What is Science?
6		
7	Navigating the Sky: spring/summer	Olber's Paradox, Steady State Theory, Changing Universe
8		
9		
10		
11		
12	Light	Light, Spectra, Doppler
13		
14	Atoms & spectra; QUIZ 1 & LAB 1	Hubble's Law; Big Bang & expansion; QUIZ 1
15		
16		
17		
18		
19	Telescopes: types, examples	Particles, energy, matter, forces; unification
20		
21	Telescopes: features, problems	History of Universe: Planck to inflation
22		
23		
24		
25		
26	Solar interior, fusion	History of Universe: EW to galaxies
27		
28	Solar atmosphere, Solar cycle, sunspots; QUIZ 2 & LAB 2	BB evidence; Multi-D space; QUIZ 2
29		
30		
31		

FEBRUARY		
Day	ASTR 112	ASTR 311
1		
2	Flares/CME's	Dark matter/energy, possible fates
3		
4	Stellar groupings, magnitudes	Einstein, space & time
5		PRES PROPOSALS DUE
6		
7		
8		
9	Blackbodies, Wien's & SB Law	Special Theory of Relativity
10		
11	Luminosity, stellar class'n; QUIZ 3 & LAB 3	General Theory of Relativity; QUIZ 3
12		
13		
14		
15	FAMILY DAY	FAMILY DAY
16		
17		
18	STUDY DAYS	STUDY DAYS
19		
20		
21		
22		
23	HR diag	Testing Relativity
24		
25	TERM TEST #1	TERM TEST #1
26		
27		

28		
----	--	--

MARCH		
Day	ASTR 112	ASTR 311
1		
2	Distance "ladder"	Stellar evolution
3		
4	Protostars, fusion, hydrostatic eq'm	Black Holes
5		
6		
7		
8		
9	Low/int evolution	Quantum, Waves, Wave-Particle duality
10		
11	wd's, plan nebulae; QUIZ 4 & LAB 4	Observation, Uncertainty Principle; QUIZ 4
12		
13		
14		
15		
16	High mass stars, interior struc	Standard Model, Strings
17		
18	Supernovae, Neutron stars, pulsars	Fermi, Miller Urey, Habit Zone
19		
20		
21		
22		
23	Black holes	Finding extrasolar planets
24		
25	Milky Way properties; QUIZ 5 & LAB 5	Drake Eq'n, SETI, UFO's; QUIZ 5
26	OBS PROJECTS DUE & GOOD FRIDAY	GOOD FRIDAY
27		
28		
29	EASTER MONDAY	EASTER MONDAY
30	Milky Way structure, rotation curves	PRESENTATIONS
31		

APRIL		
Day	ASTR 112	ASTR 311
1	Galaxy classification, clusters	PRESENTATIONS
2		
3		
4		
5		
6	Galaxy rot curves, collisions, evolution	PRESENTATIONS
7		
8	Quasars, AGN; QUIZ 6	PRESENTATIONS; QUIZ 6
9		
10		
11		
12		
13		
14		
15		