JANUARY		
Day	ASTR 112	ASTR 311
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9	Intro, science, sci not, angles	Intro, What is Science?
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11	Navigating the Sky: spring/summer	Olber's Paradox, Steady State Theory, Changing Universe
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16	Light	Light, Spectra, Doppler
17		
18	Atoms & spectra; **QUIZ 1 & LAB 1**	Hubble's Law; Big Bang & expansion; **QUIZ 1**
19		
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21		
22		
23	Telescopes: types, examples	Particles, energy, matter, forces; unification
24		
25	Telescopes: features, problems	History of Universe: Planck to inflation
26		
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29		
30	Solar interior, fusion	History of Universe: EW to galaxies
31		

	FEBRUARY	
Day	ASTR 112	ASTR 311
1	Solar atmosphere, Solar cycle, sunspots; **QUIZ 2 & LAB 2**	BB evidence; Multi-D space; **QUIZ 2**
2		
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6	Flares/CME's	Dark matter/energy, possible fates
7		
8	Stellar groupings, magnitudes	Einstein, space & time
9		**PROPOSALS DUE**
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11		
12		
13	Blackbodies, Wien's & SB Law	Special Theory of Relativity
14		
15	Luminosity, stellar class'n; **QUIZ 3 & LAB 3**	General Theory of Relativity; **QUIZ 3**
16		
17		
18		
19	FAMILY DAY	FAMILY DAY
20		
21		
22	STUDY DAYS	STUDY DAYS
23		
24		
25		
26		
27	HR diag	Testing Relativity
28		
29	**TERM TEST #1**	**TERM TEST #1**

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

APRIL		
Day	ASTR 112	ASTR 311
1	EASTER MONDAY	EASTER MONDAY
2	Milky Way structure, rotation curves	**PRESENTATIONS**
3		
4	Galaxy classification, clusters; **QUIZ 6 & LAB 5**	**PRESENTATIONS**
5		
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9	Galaxy rot curves, collisions, evolution	**PRESENTATIONS**
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11	Quasars, AGN	**PRESENTATIONS**
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