

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

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

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MARCH		
Day	ASTR 112	ASTR 311
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4	Distance "ladder"	Stellar evolution
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6	Protostars, fusion, hydrostatic eq'm; QUIZ 4	Black Holes
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11	Low/int evolution	Quantum, Waves, Wave-Particle duality
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13	wd's, plan nebulae	Observation, Uncertainty Principle; QUIZ 4
14	OBS PROJECTS DUE	
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18	High mass stars, interior struc	Standard Model, Strings
19		
20	Supernovae, Neutron stars, pulsars; QUIZ 5 & LAB 4	Fermi, Miller Urey, Habit Zone; QUIZ 5
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25	Black holes	Finding extrasolar planets
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27	Milky Way properties	Drake Eq'n, SETI, UFO's; QUIZ 6
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APRIL		
Day	ASTR 112	ASTR 311
1	Milky Way structure, rotation curves	PRESENTATIONS
2		
3	Galaxy classification, clusters; QUIZ 6 & LAB 5	PRESENTATIONS
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8	Galaxy rot curves, collisions, evolution	PRESENTATIONS
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10	Quasars, AGN	PRESENTATIONS
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