

Spring 2012 Tentative Schedule

Week	Date	Topic	Section
0	16-Jan	Class startup, administrative tasks and questions	
		Learning styles, learning methods and science	
		Introductory Astronomy survey	
1	23-Jan	Scale of the Solar System & Universe,	Ch. 1, Appendix
		The Sky and Constellations	Ch. 2-1
		Sky Motion, Magnitudes	Ch. 2-1, 2-2
		<i>Jan 23 New Moon</i>	
2	30-Jan	Seasons on Earth, Phases of the Moon	Ch. 3-1 - 3-3
		Solar & Lunar Eclipses	Ch. 3-3
		Aristotle, Ptolemy, Eratosthenes, Copernicus	Ch. 4-1, 4-2
3	6-Feb	Brahe, Kepler and Galileo	Ch. 4-3 - 4-4
		Newton, Forces, Gravity	Ch. 4-5
		Orbits and Escape Velocity	Ch. 4-5
		<i>8 Feb Full Moon</i>	
4	13-Feb	Constellation Observation Due 14 Feb	
		Light and the Electromagnetic Spectrum	Ch. 5-1
		Telescopes	Ch. 5-2 - 5-5
		Atoms and Starlight	Ch. 6-1, 6-2
5	20-Feb	Stellar Spectra and Types	Ch. 6-3
		Atmosphere and Makeup of the Sun	Ch. 7-1
		Nuclear Fusion and the Sun	Ch. 7-2
		<i>22 Feb New Moon</i>	
6	27-Feb	EXAM #1, covering Ch. 1 - 6	
		Solar Activity and Effects on Earth	Ch. 7-3
		Distances to Stars, Brightness	Ch. 8-1, 8-2
7	5-Mar	Star Classification, H-R Diagram	Ch. 8-3, 8-5
		Binary Stars, Masses of Stars, and Stellar Survey	Ch. 8-4, 8-5
		The Birth of Stars, Main-Sequence Stars, Fusion	Ch. 9-1, 9-2
		<i>8 Mar Full Moon</i>	

Week	Date	Topic	Section
8	12-Mar	Telescopic Observation Due 13 Mar	
		Stellar Structure Main Sequence Stars	Ch. 9-3 - 9-4
		Stellar Death - Planetary Nebulae and Star Clusters	Ch. 10-1, 10-2
		Binary Systems	Ch. 10-3
9	19-Mar	Dead Stars - White Dwarfs and Binary Stars	Ch. 10-3, 10-4
		Neutron Stars and Black Holes	Ch. 11-1, 11-2
		Compact Objects with Disks and Jets	Ch. 11-2, 11-3
		<i>23 Mar New Moon</i>	
10	26-Mar	EXAM #2, covering Ch. 7 - 11	
		Our Galaxy - the Milky Way Galaxy	Ch. 12
	2-Apr	SPRING BREAK <i>7 Apr Full Moon</i>	
11	9-Apr	Galaxy Shapes and Classifications	Ch. 13-1, 13-2
		Galaxy Evolutions	Ch. 13-3
		Cosmology, the Big Bang	Ch. 15-1, 15-2
12	16-Apr	The Accelerating Universe and Current Cosmology	Ch. 15-3, 15-4
		Solar System Origins	Ch. 16-1 - 16-3
		<i>*** 21 Apr New Moon & 21 Apr Lyrids ***</i>	
13	23-Apr	Extrasolar Planets	Ch. 16-4
		Earth and the Moon	Ch. 17-1 - 17-3
14	30-Apr	Mercury, Venus and Mars	Ch. 17-4 - 17-6
		Jupiter and the Galilean moons	Ch. 18-1, 18-2
		<i>6 May Full Moon & 5 May Eta Aquarids</i>	
15	7-May	Saturn and the Shepherd moons	Ch. 18-3
		Uranus, Neptune and Dwarf Planets (Pluto, Eris, etc.)	Ch. 18-4 - 18-6
		Asteroids and Comets	Ch. 19-1 - 19-3
16	14-May	Impacts on Earth	Ch. 19-4
		Life and Its Origins	Ch. 20-1, 20-2
		Search for Extraterrestrial Life	Ch. 20-3
		21 May New Moon	
FINALS	21 May	EXAM #3, covering Ch. 12, 13, 15 - 20	

Final Exam Schedule

Section AA: 8:10 AM, Tuesday 22 May

Section AX & AH: 11:10 AM, Thursday 24 May