

<u>Date</u>	<u>Topics</u>	<u>SCHEDULE</u>	<u>Chapter</u>
PART 1: CONCEPTS IN ASTRONOMY			
AUG 26	Introduction: Scales of the Universe		1.1 – 1.3
28*	Observing the Sky I		2.1 – 2.2
	31	Observing the Sky II	2.3 – 2.4
SEP 02	Ancient Astronomy		3.1 – 3.2
04	Light (Note change in the order of topics)		5.1
07	Spectra		5.2
09	-- No class – (but do the reading)		3.3 – 3.4
09 W	-- Special Required Lecture – <i>Kepler, Galileo, and the Birth of Modern Astronomy</i> -- -- 7:30-8:30 pm in NSC 234		
10 R	-- Special Lecture – <i>The Divine Handiwork: Evolution and the Wonder of Life</i> -- -- 6:30-7:30 pm in Christopher Center (Library)		
11*	Newton's Laws		4.1 – 4.2
14	Gravity	SP1 due	4.3 – 4.4
16	Telescopes		5.3
18	Exam 1 (Friday) , covering Part 1)		
PART 2: THE SOLAR SYSTEM			
	21	Overview of the Solar System	6.1 – 6.2
	23	Formation of the Solar System	6.3 – 6.4
	25	Earth	7.1
	28	Terrestrial Planets - I	7.2 – 7.3
	30	Terrestrial Planets - II	7.4
OCT 02*	The Outer Planets		8.1
	05	Rings and Moons	8.2 – 8.3
	07	Asteroids, Comets, and Pluto	9.1 – 9.3
	09*	Other Planetary Systems	6.5
	12	Life on Earth, in the Solar System	7.5, (18.2–18.3)
	14	Exam 2 (Friday) , covering Part 2)	
	16	-- Fall Break --	
PART 3: STARS			
	19	The Sun as a Star	10.1 – 10.2
	21	Sun – Earth Connection	10.3
	23*	Surveying the Stars - I	11.1
	26	Surveying the Stars - II	11.2
	28	Surveying the Stars - III	11.3
	30	Star Births	12.1
NOV 02	Low Mass Stars		12.2
04	High Mass Stars		12.3 – 12.4
06*	White Dwarfs and Neutron Stars		13.1 – 13.2
09	Black Holes and Gamma-Ray Bursts		13.3 – 13.4
11	Current Research on Stellar Astronomy		
13	Exam 3 (Friday) , covering Part 3)		
PART 4: GALAXIES AND COSMOLOGY			
	16	The Milky Way Galaxy I	14.1 – 14.2
	18	The Milky Way Galaxy II	14.3 – 14.4
	20	Galaxies, Distances	15.1 – 15.2
NOV 21 – 29	-- Thanksgiving Recess --		

NOV	30	Hubble's Law; Quasars		15.2;15.4
DEC	02	Dark Matter		16.1 – 16.2
	04*	Structures & Fate of the Universe		16.3 – 16.4
	07	The Big Bang I		17.1
	09	The Big Bang II		17.2 – 17.3
	11	Cosmology, Creation, and the Bible	SP4 due	Handout
DEC	17	Final Exam 1:00 – 3:00pm (Thursday) cumulative, but emphasizing Part 4		

* = Special Astronomy Lecture 7:30-8:20 pm, NSC 224 (except Sep 12), followed by Observatory Open House Night, 8:30-9:30 pm (if clear)