

M	T	W	T	F
		Sept 28 Introductions; Syllabus; DVD	29 Introductions; Policies; TA procedures	30 Activity 4 Studying the Phases of the Moon
Oct 3- RQ01 - Due Lecture: Night Sky Video: Celestial Cycles	4- Planetarium or <i>Activity 3 Where on Earth</i>	5- RQ02 - Due Lecture: Gravity <i>Activity 6 Kepler's Laws</i>	6- Activity 3 <i>Where on Earth</i> or Planetarium	7- DVD <i>Telescope Hunting Edge Space</i>
10- Activity 1 Due Lecture: Light and Spectra	11 Activity 8 Light and Spectra	12- RQ03 - Due Lecture: Star Formation <i>Activity 11 Ranking Formation</i>	13 Video: Star Birth Discussion and Review	14- Activity 9 <i>Where to Put Telescope</i> Lecture: Telescopes
17- Guest Lecture: Exoplanets, astrobiology; habitable worlds	18- Activity 30 Habitable Worlds	19- RQ04 - Due Lecture: Sun and Earth Connection	20- Activity 19 Analyzing CME from Sun	21 Lecture: Sun Interior <i>Activity: Proton-Proton Cycle</i>
24 Video: The Sun Our Star Lecture: Sun & Earth	25 Video: Science of Starlight Discussion and review	26- RQ05 - Due Lecture: Family of Stars Spectral Classification	27 Activity 17 Spectral Classification of Stars	28 Lecture: More About Stars Activities and Review
31 Lecture: Finding Distances Activity 18 - start parallax	Nov 1 Activity 18 Distances Stars Parallax Measurements	2 Lecture review for midterm	3 Section review for midterm	4 10:30 am MIDTERM
7- RQ06 - Due Lecture: Star Clusters Video: Star Clusters (12 min)	8- Activity 22 Determining Ages of Star Clusters	9- Lecture: Evolution Low Mass Stars	10- <i>Activity: Evolution of Sun Game</i> Discussion & Review	11 - Veteran's Day Holiday
14- RQ07 - Due Lecture: Evolution High Mass Stars	15 Activity 21 Investigating Crab Nebula and Pulsar	16 Lecture: The Bizarre Stellar Graveyard (Black Holes)	17 <i>DVD - Monster Black Holes</i>	18 Lecture: Black Holes and General Relativity.
21- RQ08 - Due <i>Activity: Classifying Galaxies</i> Lecture: Galaxies, Expansion	22 <i>Activity: Modeling the Expansion of the Universe</i>	23 Activity 26 Finding Expansion Rate and Age of the Universe	24 - THANKSGIVING	25 - THANKSGIVING
28- RQ09 - Due Lecture: Milky Way Galaxy & SMBH	29 Activity 25 RR Lyrae Stars Distance to Center Galaxy	30- Lecture: Contents of Milky Way <i>Activity 20 The Stuff Between the Stars</i>	Dec. 1 Activity 29 Calculating Mass of Central Object of Galaxy	2 Lecture & <i>Activity: Looking at Distant Objects</i> (look-back)
5- RQ10 - Due Lecture: Evolution of the Universe	6 Activity 28 Hubble Deep Field North	7 Lecture: Big Bang; Structure; The End	8 Section Review for Final	9 Lecture Review for Final
12- FINAL EXAM 8:30 am - ARC 147				
Bold = Comprehensively graded quiz or activity; Italics = Participation activity (score depends on your involvement)				