

Lecture #	Date	Topic	Assignments Due	Reading
1	8/27/2018	Introduction: What is Cosmology?		
2	8/29/2018	Radiation, flux, and magnitudes		S&G 1.1
3	8/31/2018	Stellar properties		S&G 1.1
	9/3/2018	LABOR DAY HOLIDAY		
4	9/5/2018	Stellar evolution	Homework 1	S&G 2.1
5	9/7/2018	Discovering the Milky Way		S&G 1.2
6	9/10/2018	Gauging Distances		S&G 2.2
7	9/12/2018	Star Counts and Olbers' Paradox	Homework 2	S&G 2.2, Ry 2.1
8	9/14/2018	Galactic Rotation		S&G 2.3
9	9/17/2018	Oort Constants		S&G 3.1
10	9/19/2018	Galaxy Potentials	Homework 3	S&G 2.2
11	9/21/2018	Epicyclic Motion		S&G 3.3
12	9/24/2018	Orbital Resonances		S&G 3.2
13	9/26/2018	Globular Clusters	Homework 4	S&G 7.4
14	9/28/2018	Relaxation Time		S&G 2.2
15	10/1/2018	Catch-up and Review		
	10/3/2018	HOURLY EXAM 1 (covers Lec 2-12)		
16	10/5/2018	Galactic Center		S&G 4.4
17	10/8/2018	Local Group		S&G 4.1
18	10/10/2018	Tidal Forces	Homework 5	S&G 4.3
19	10/12/2018	Dynamical Friction		S&G 1.3, 5.1
20	10/15/2018	Chemical Enrichment		S&G 2.4, 5.2
21	10/17/2018	Galaxy Photometry	Homework 6	S&G 5.1, 5.3
22	10/19/2018	Galaxy Rotation		S&G 6.1, 6.2
23	10/22/2018	Galaxy Luminosity		S&G 6.4
24	10/24/2018	Supermassive Black Holes	Homework 7	S&G 9.1
25	10/26/2018	Active Galactic Nuclei		S&G 7.1
26	10/29/2018	Clusters and superclusters		S&G 7.2, 8.1
27	10/31/2018	Gravitational Lensing	Homework 8	S&G 1.4, 8.2
28	11/2/2018	Review		Ry 3.1-3.4
29	11/5/2018	Hubble Expansion		
	11/7/2018	HOURLY EXAM 2 (covers Lec 13-27)		
30	11/9/2018	Friedmann Equation		Ry 4.2, 4.3
31	11/12/2018	Model Universes		Ry 4.4, 5.1-5.3
32	11/14/2018	Distances in Cosmology	Homework 9	Ry 3.5-3.6, 5.4-5.5
33	11/16/2018	Observational Cosmology		Ry Ch 6
	11/19 - 11/23	THANKSGIVING BREAK		
34	11/26/2018	Cosmic Microwave Background		Ry 8.1-8.3
35	11/28/2018	Fluctuations in the CMB	Homework 10	Ry 8.4-8.5
36	11/30/2018	Big Bang Nucleosynthesis		Ry 9.1-9.4
37	12/3/2018	Inflationary Cosmology		Ry 10.1-10.4
38	12/5/2018	Lighting Up the Universe	Homework 11	Ry 11.1-11.3
39	12/7/2018	Galaxy Formation		Ry 12.1-12.2
40	12/10/2018	Review: Galaxies		Ry 12.3-12.4
41	12/12/2018	Review: Cosmology	Computer Project	
	12/18/2018	FINAL EXAM, 7:00-10:00 PM		