

Lecture #	Date	Topic	Assignments Due
1	1/17/2018	Course Introduction	
2	1/19/2018	Positional Astronomy	
3	1/22/2018	Kepler's and Newton's Laws	
4	1/24/2018	Three-Body Problem	Homework 1
5	1/26/2018	Orbital Resonances	
6	1/29/2018	Chaotic Motion	
7	1/31/2018	Tidal Forces and Dissipation	Homework 2
8	2/2/2018	Hydrostatic Equilibrium	
9	2/5/2018	Radiative Equilibrium	
10	2/7/2018	Planetary Atmospheres	Homework 3
11	2/9/2018	Greenhouse Effect	
12	2/12/2018	Convection and Meteorology	
13	2/14/2018	Planetary Interiors	Homework 4
14	2/16/2018	Planetary Surfaces and Impact Cratering	
15	2/19/2018	Terrestrial Planets	
	2/21/2018	HOURLY EXAM 1	
16	2/23/2018	Jovian Planets	
17	2/26/2018	Internal Energy Sources	
18	2/28/2018	Jovian Moons	Homework 5
19	3/2/2018	Ring Systems	
20	3/5/2018	Interplanetary Dust	
21	3/7/2018	Minor Planets & Comets	Homework 6
22	3/9/2018	Solar Wind & Magnetospheres	
23	3/12/2018	Exoplanets: Detection	
24	3/14/2018	Exoplanets: Observational Methods I	Homework 7
25	3/16/2018	Exoplanets: Observational Methods II	
	3/19 to 3/23	SPRING BREAK	
26	3/26/2018	Exoplanets: Physical Properties	
27	3/28/2018	Exoplanet Atmospheres	Homework 8
28	3/30/2018	Life in the Solar System	
29	4/2/2018	Life Beyond the Solar System	
	4/4/2018	HOURLY EXAM 2	
30	4/6/2018	Stellar Nurseries: HII Regions and GMCs	
31	4/9/2018	Gravitational Collapse & Star Formation	
32	4/11/2018	Protoplanetary Disks	Homework 9
33	4/13/2018	Terrestrial Planet Formation	
34	4/16/2018	Giant Planet Formation	
35	4/18/2018	Collisions and Migration	Homework 10
36	4/20/2018	Testing Theories with Observations	
37	4/23/2018	Group Presentations	
38	4/25/2018	Group Presentations	Homework 11
39	4/27/2018	Group Presentations	
40	4/30/2018	Future Directions	
41	5/2/2018	Review and Wrap-Up	
	5/4/2018	FINAL EXAM, 1:30-4:30 PM	