

ASTRONOMY 25 – SPRING 2018
GENERAL SCHEDULE OF ACTIVITIES
(DRAFT)

WEEK	DATE	TOPICS AND ACTIVITIES / LECTURE	HOMEWORK¹	PRESENTATIONS
1	22-Jan	Enrollment & objectives / Lecture 01a	---	---
	24-Jan	Basic Newtonian mechanics I / Lecture 01b	HW01	---
2	29-Jan	Basic Newtonian mechanics II / Lecture 02a	HW02	---
	31-Jan	Spectra / Lecture 02b	Reading	---
3	5-Feb	Particles, waves & quantum / Lecture 03a	HW03	---
	7-Feb	Planetary/stellar astronomy / Lecture 03b	HW04	---
4	12-Feb	Galactic astronomy / Lecture 04a	HW05	---
	14-Feb	Clusters, AGNs, Quasars / Lecture 04b	HW06	---
5	19-Feb	Holiday	---	---
	21-Feb	The distance ladder I / Lecture 05b / Quiz #1	HW07	---
6	26-Feb	The distance ladder II / Lecture 06a	---	---
	28-Feb	Special Relativity I / Lecture 06b8a	HW08	---
7	5-Mar	Special Relativity II / Lecture 06b8a	---	---
	7-Mar	Special Relativity III / Lecture 06b8a	HW09	---
8	12-Mar	Special Relativity IV / Lecture 06b8a	---	---
	14-Mar	MIDTERM EXAM	---	---
9	19-Mar	Particle physics / Lecture 09a	HW10	---
	21-Mar	Standard Big Bang I / Lecture 9b	HW11	---
	26-Mar	Spring Break	---	---
	28-Mar		---	---
10	2-Apr	Big Bang & inflation / Lecture 10a	Reading	---
	4-Apr	Dark matter I / Lecture 10b11a	Reading	---
11	9-Apr	Dark matter II / Lecture 10b11a	HW12	---
	11-Apr	General Relativity / Lecture 11b / Quiz #2	HW13	---
12	16-Apr	Cosmic acceleration / Lecture 12a	Reading	---
	18-Apr	Dark energy/ Lecture 12b	HW14	---
13	23-Apr	String theory I / Lecture 13	---	P01, 02, 03
	25-Apr	String theory II / Lecture 13	HW15	P04, 05, 06, 07
14	30-Apr	Black holes / Lecture 14a	Reading	P08, 09, 10, 11
	2-May	Extreme spacetime warpage / Lecture 14b	Reading	P12, 13, 14, 15
15	7-May	Time / Lecture 15a	---	P16, 17, 18
	9-May	Planetarium adventure (all extra credit due)	---	
16	14-May	Flatland / Lecture 16a	---	P19, 20
	16-May	FINAL EXAM	---	---

¹Date assignment is made. All assignments are due at the beginning of the next class.