

ASTRONOMY 25 – SPRING 2020
GENERAL SCHEDULE OF ACTIVITIES
(DRAFT)

WEEK	DATE	TOPICS AND ACTIVITIES / LECTURE	HOMEWORK¹	PRESENTATIONS
1	27-Jan	Enrollment & objectives / Lecture 01a	---	---
	29-Jan	Basic Newtonian mechanics I / Lecture 01b	HW01	---
2	3-Feb	Basic Newtonian mechanics II / Lecture 02a	HW02	---
	5-Feb	Spectra / Lecture 02b	Reading	---
3	10-Feb	Particles, waves & quantum / Lecture 03a	HW03	---
	12-Feb	Stellar astronomy / Lecture 03b	HW04	---
4	17-Feb	Holiday	---	---
	19-Feb	Galactic astronomy / Lecture 04b	HW05	---
5	24-Feb	Clusters, AGNs, Quasars / Lecture 05a	HW06	---
	26-Feb	The distance ladder I / Lecture 05b / Quiz #1	HW07	---
6	2-Mar	The distance ladder II / Lecture 06a	---	---
	4-Mar	Special Relativity I / Lecture 06b8a	HW08	---
7	9-Mar	Special Relativity II / Lecture 06b8a	---	---
	11-Mar	Special Relativity III / Lecture 06b8a	HW09	---
8	16-Mar	Special Relativity IV / Lecture 06b8a	---	---
	18-Mar	MIDTERM EXAM	---	---
9	23-Mar	Particle physics / Lecture 09a	HW10	---
	25-Mar	Standard Big Bang I / Lecture 9b	HW11	---
10	30-Mar	Big Bang & inflation / Lecture 10a	Reading	---
	1-Apr	Dark matter I / Lecture 10b11a	Reading	---
	6-Apr	Spring Break	---	---
	8-Apr		---	---
11	13-Apr	Dark matter II / Lecture 10b11a	HW12	---
	15-Apr	General Relativity / Lecture 11b / Quiz #2	HW13	---
12	20-Apr	Cosmic acceleration / Lecture 12a	Reading	---
	22-Apr	Dark energy / Lecture 12b	HW14	---
13	27-Apr	String theory I / Lecture 13	---	P01, 02, 03
	29-Apr	String theory II / Lecture 13	HW15	P04, 05, 06, 07
14	4-May	Black holes / Lecture 14a	Reading	P08, 09, 10, 11
	6-May	Extreme spacetime warpage / Lecture 14b	Reading	P12, 13, 14, 15
15	11-May	Time / Lecture 15a	---	P16, 17, 18
	13-May	Planetarium adventure (all extra credit due)	---	
16	18-May	Flatland / Lecture 16a	---	P19, 20
	20-May	FINAL EXAM	---	---

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