

PHYS3080/7080

Week	Date	Activity	Deadlines & Notes	Reading (Schneider)	Topic	Session	Lecturer
1	21/2/22	Lecture		1.1	Introduction	Mon 12-1	Holger
	21/2/22	Lecture		1.2.1, 1.2.2	Galaxies - Introduction	Mon 1-2	Holger
	25/2/22	Workshop			Distance ladder project	Fri 12-2	Ben
2	28/2/22	Lecture		2.3	Galactic structure	Mon 12-1	Holger
	28/2/22	Lecture		2.3-2.4	Rotation cuves & dark matter	Mon 1-2	Holger
	4/3/22	Workshop			Distance ladder project	Fri 12-2	Ben
3	7/3/22	Lecture		CO 24.3	Spiral Structure	Mon 12-1	Sarah
	7/3/22	Lecture		3.4	Galaxy Scaling relations	Mon 1-2	Sarah
	11/3/22	Workshop			Distance ladder project	Fri 12-2	Ben
4	14/3/22	Lecture		2.6	The center of the Milky Way	Mon 12-1	Sarah
	14/3/22	Lecture		5.1	Active Galaxies	Mon 1-2	Sarah
	18/3/22	Workshop			Distance ladder project	Fri 12-2	Ben
5	21/3/22	Lecture		5.2	Quasars	Mon 12-1	Sarah
	21/3/22	Lecture		6.1.-6.3	Galaxy Clusters	Mon 1-2	Sarah
	25/3/22	Workshop			Distance ladder project	Fri 12-2	Ben
6	28/3/22	Lecture	Problem Sheet due on 31/3	CO 26.1	Galaxy Interactions	Mon 12-1	Sarah
	28/3/22	Lecture		10.1, 10.4, 10.5	Galaxy Formation	Mon 1-2	Sarah
	1/4/22	Workshop			Distance ladder project	Fri 12-2	Ben
7	4/4/22	Lecture	DL reports due on 7/4	4.1	Cosmology - Introduction	Mon 12-1	Rossana
	4/4/22	Lecture		arxiv:1404.7266	Como constraints on dark energy	Mon 1-2	Rossana
	8/4/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara
8	11/4/22	Lecture		4.2	Expansion kinematics	Mon 12-1	Tamara
	11/4/22	Lecture		4.2-4.3	Expansion dynamics	Mon 1-2	Tamara
	15/4/22			No lecture/workshop (Good Friday)			
Mid-semester break							
9	25/4/22		No lecture (Anzac Day)				
	25/4/22						
	29/4/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara
10	3/5/22	Lecture	Note change of date !	4.3	Expansion dynamics + distances	Mon 12-1	Tamara
	3/5/22	Lecture			Curvature and how to measure it	Mon 1-2	Tamara
	6/5/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara
11	9/5/22	Lecture	Scientific Essay (masters) due 12/5	4.4	Thermal History of Universe	Mon 12-1	Tamara
	9/5/22	Lecture			Big Bang Nucleosynthesis + Dark	Mon 1-2	Tamara
	13/5/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara
12	16/5/22	Lecture	Problem Sheet due on 19/5	4.5	Inflation	Mon 12-1	Tamara
	16/5/22	Lecture		7.4.3+ Fig 7.7 + 8.6	CMB history and first peak	Mon 1-2	Tamara
	20/5/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara
13	23/5/22	Lecture	CP reports due 27/5, 2pm	8.6 + Wayne Hu tut	Baryon Acoustic Oscillations	Mon 12-1	Rossana
	23/5/22	Lecture		7.4.3, 8.1.4-5	CMB all peaks, polarization, SZ, IS	Mon 1-2	Rossana
	27/5/22	Workshop			Cosmology parameter project	Fri 12-2	Tamara