DATE	day	count	topic	subsections	chapter details	material			comments
13/8/2018	Mon	1	0- Syllabus and presentation	Our place in the Universe. What is astronomy?*				video_01	
15/8/2018	Wed	2		Scientific method, philosophy and mathematics	How do we know? Notes		note_01		
17/8/2018	Fri	3		Scales*	1	lecture_01		video_02 video_03	
20/8/2018	Mon	4		Night sky. Cycles of the sun and moon	2 and 3	lecture_02, lecture_03		video_04 video_05 video_06	
22/8/2018	Wed	5	1- Theoretical tools	Newtonian mechanics (Kepler's laws)	5 and notes	lecture_04	note_02	video_07a video_07b	
24/8/2018	Fri	6		Special and General Relativity	5 and notes	lecture_04	note_03		
27/8/2018	Mon	7		Electromagnetism and optics	6	lecture_05			
29/8/2018	Wed	8	2- Experimental tools	Visible light and Other wavelengths	6	lecture_05			
31/8/2018	Fri	9		Multi messenger astronomy	6 and notes	lecture_06	note_04	video_08a video_08b	
3/9/2018	Mon	10	3- History of Astronomy	Ancient astronomy	Slides	lecture_08			
5/9/2018	Wed	11		Greek science and greek astronomy	Slides	lecture_09			
7/9/2018	Fri	12		Arabic and medieval astronomy, Scientific revolution	4	lecture_10 lecture_11		video_09	
10/9/2018	Mon	13		Test 1					Test 1
12/9/2018	Wed	14		The two body problem I*	Notes		note_05		
14/9/2018	Fri	15		The two body problem II*	Notes		note_05		
17/9/2018	Mon	16		Probes in the solar system*	Slides	lecture_07		video_10 video_11	
19/9/2018	Wed	17		*Midterm 1*					
21/9/2018	Fri	18	4- Solar system	Formation and structure	19, 20	lecture_12		video	
24/9/2018	Mon	19		Rocky planets and the Moon	21, 22	lecture_13		video	
26/9/2018	Wed	20		Gas planets and their moons	23, 24	lecture_14		video	
28/9/2018	Fri	21		Asteroids and comets	25	lecture_14		video	
1/10/2018	Mon	22		Test 2					Test 2
3/10/2018	Wed	23	5- Stars	Atoms and spectra, The sun	7, 8	lecture_15 lecture_16		video	
5/10/2018	Fri	24		Family of stars and properties	9	lecture_17		video	
8/10/2018									
10/10/2018				*Fall break*					
12/10/2018									
15/10/2018	Mon	25		Interstellar medium	10	lecture_18		video	
17/10/2018	Wed	26		Formation of stars	11	lecture_19			
19/10/2018	Fri	27		Life cycle	12	lecture_20			
22/10/2018	Mon	28		Supernovae	13	lecture_21		video	

24/10/2018	Wed	29		Extrasolar planets*	Slides	lecture_22		video	
26/10/2018	Fri	30		*Midterm 2*					
29/10/2018	Mon	31	6- Galaxies	The milky way	15	lecture_23		video	
31/10/2018	Wed	32		Classification and properties	16	lecture_24		video	
2/11/2018	Fri	33		Dark Matter, AGNs	17 and slides	lecture_24			
5/11/2018	Mon	34		Test 3					Test 3
7/11/2018	Wed	35	7- Black holes	Relativistic astrophysics	Slides	lecture_25			
9/11/2018	Fri	36		Neutron stars	14 and slides	lecture_26		video	
12/11/2018	Mon	37		BH properties and observation	14 and slides	lecture_27		video	
14/11/2018	Wed	38		GR and black holes*	Notes		note_06	video	
16/11/2018	Fri	39	8- Cosmology	Big Bang models	18 and Slides	lecture_28			
19/11/2018	Mon	40		CMB, Inflation, Dark energy	18 and Slides	lecture_28			
21/11/2018	Wed	41		Test 4					Test 4
23/11/2018	Fri	42		Concluding remarks					
* Not required in the exam									