

Course Table

Week	Date	Topic	Activity
36		1. Introduction to Compact Objects (self study!)	
37	11 Sept.	2. Degenerate Fermi Gases Aud. 2.115 @ 08:15-10:00	Lecture: 2 hours Chapter 2 Monday Exercises: #20, 22
38	18 Sept.	3. Structure of White Dwarfs (Cold Eq. of State Below Neutron Drip) Aud. 2.115 @ 08:15-12:00	Lecture: 2 hours Chapter 2/3 Monday Exercises: #21
39	25 Sept.	4. Cooling of White Dwarfs Aud. 2.115 @ 08:15-12:00	Lecture: 2 hours Chapter 4 Monday Exercises: #23, 24
40	2 Oct.	5. Structure of Neutron Stars Aud. 2.115 @ 08:15-10:00	Lecture: 2 hours Chapter 8/9 Monday Exercises: #5, 6, 12, 14
41	9 Oct.	6. Radio Pulsars, Magnetars + Spin and B-field Evolution of Neutron Stars Aud. 2.115 @ 08:15-10:00	Lecture: 2 hours Monday Chapter 10 + notes Exercises: #1-4
42	16 Oct.	Autumn break Autumn break	
43	23 Oct.	7. X-ray Binaries Aud. 2.115 @ 08:15-10:00	Lecture: 2 hours Monday Tauris & van den Heuvel: Chapter 6/7/9/10/11 Exercises: # 9-11, 16
44	30 Oct.	8. Recycling Millisecond Pulsars + Accretion Physics Aud. 2.115 @ 08:15-12:00	Lecture: 2 hours Monday Tauris & van den Heuvel: Chapter 7/14 Exercises: #13, 15, 19
45	6 Nov.	9. Introduction to Black Hole Spin Aud. 2.115 @ 08:15-10:00	Lecture: 2 hours Monday McClintock et al. (2013), Chapter 12 (14) Tauris & van den Heuvel: Chapter 7 Exercises: #17, 18, + 4 phases of accretion
46	13 Nov.	10. Gravitational Waves: Sources and Detection Aud. 2.115 @ 08:15-12:00	Lecture: 2 hours Monday Riles (2013), Chapter 16 Tauris & van den Heuvel: Chapter 15 Exercises: #7, 8 + evaluation
47	20 Nov. Oct. 31	Course summary Aud. 2.115 @ 10:15-11:00	(Lecture)
48	27 Nov.	Study for exam (in groups / on your own)	
49	4 Dec.	Study for exam (in groups / on your own)	
50	11 Dec.	Study for exam (Question hour 09:15-10:30)	
51	14 Dec.	Exam	Oral Exam, Dec.14: 9:00-12:00 (alphabetic order by last name)
52- Jan			

Lectures: Mondays usually 08:15-10:00, room 2.115 (see Moodle / course webpage for info)
 Exercises: Mondays usually 10:15-12:00, student room