Study Calendar October 2017
S382 Astrophysics

Study week	Start date	Book/Chapter	Other Components	Assignments Number	*Cut-off date / _Recommended Completion date_
0	30 Sep	Make sure you have looked at the preparatory material before starting the module.	VLE: See the Study Planner on the S382 website		
1	7 Oct	**Part 1 Stellar evolution and nucleosynthesis** Chapter 1 Main-sequence stars	DVD: Photosphere of the Sun		
2	14 Oct	Chapter 2 Gravitational contraction	Web: The most massive stars		
3	21 Oct	Chapter 3 Nuclear fusion		iCMA 51	_26 Oct_
4	28 Oct	Chapter 4 From main sequence to red-giant branch			
5	4 Nov	Chapter 5 Helium-burning stars	Web: Globular Clusters CMDs	TMA 01	9 Nov
6	11 Nov	Chapter 6 Late stages of stellar evolution	DVD: Visualizing Stellar Evolution		
7	18 Nov	Chapter 7 Supernovae, neutron stars and black holes			
8	25 Nov	Chapter 8 Star formation		TMA 02	30 Nov
9	2 Dec	**Part 2 Transiting exoplanets** Chapter 1 Our solar system from afar		iCMA 52	_7 Dec_
10	9 Dec	Chapter 2 Exoplanet discoveries by the transit method	Web: A first look at Extrasolar Planets Encyclopaedia		
11	16 Dec	Chapter 3 What the transit lightcurve tells us		iCMA 53	_21 Dec_
	Break	(2 weeks)			
12	6 Jan	Chapter 4 The exoplanet population	Web: A second look at Extrasolar Planets Encyclopaedia		
13	13 Jan	Chapter 5 Transmission spectroscopy and the Rossiter-McLaughlin effect	VLE: Intro to VLE wiki Web: Rossiter-McLaughlin effect Web: Transmission spectroscopy	TMA 03	18 Jan
14	20 Jan	Chapter 6 Secondary eclipses and phase variations	Animation: Secondary eclipse and phase variations Web: Secondary eclipses Web: Phase variations		
15	27 Jan	Chapter 7 Transit timing variations and orbital dynamics			
16	3 Feb	Chapter 8 Brave new worlds		TMA 04	8 Feb
17	10 Feb	Consolidation		iCMA 54	_15 Feb_
18	17 Feb	**Part 3 Astrophysical data analysis project (ADAP)** SDSS/PIRATE week 1			
19	24 Feb	SDSS/PIRATE week 2			
20	3 Mar	SDSS/PIRATE week 3		TMA 05	8 Mar
21	10 Mar	SDSS/PIRATE week 4		iCMA 55	_15 Mar_
22	17 Mar	SDSS/PIRATE week 5			
23	24 Mar	SDSS/PIRATE week 6			
	Break				
24	7 Apr	SDSS/PIRATE week 7			
25	14 Apr	SDSS/PIRATE week 8			
26	21 Apr	SDSS/PIRATE week 9			
27	28 Apr	SDSS/PIRATE week 10		Group wiki	3 May
28	5 May	SDSS/PIRATE week 11		Progress reports	10 May
29	12 May	Revision	**Final cut-off date for iCMAs**	**iCMA51-55**	**17 May**
30	19 May	Revision			
31	26 May	Revision			

*Cut-off date (TMAs) / _Recommended completion date_ (iCMAs)

Continuous assessment component: Formative / Thresholded. Threshold on each iCMA is 30%; threshold on each TMA is engagement with Learning Outcomes (30%). You must exceed the threshold on 8 of the 10 iCMAs/TMAs to pass the module. **Substitution:** N/A

Examinable component: Two examinable components EC1 (Part 3 of the module); EC2 (Parts 1 and 2 of the module). Notes: EC1 consists of a group wiki (50%) and individual progress reports (50%); EC2 is a standard exam. Overall exam score weights are 1/4 EC1 and 3/4 EC2. 30% threshold on exam (EC2) as well as 40% on overall exam score (EC1 and EC2 combined score). Must undertake EC1 and EC2 to pass.