

PMU199S LEC0341 Modern Physics for the Curious (2018-19) by Prof. A.W. Peet

Week	Date	Class topic	GRADED WORK DUE BY 2:10PM	Work Given Online After Class
1	Jan.09	Intro & powers of 10		
2	Jan.16	Particle physics		Essay 1: LHC & Higgs Boson
3	Jan.23	Newton's laws		
4	Jan.30	Einstein's refinements	Essay 1 (10%) [1500 words]	Oral Presentation topics to choose from
5	Feb.06	GR & black holes	Oral Presentation topic rankings	Essay 2: Black Holes
6	Feb.13	Quantum weirdness		
-	<i>[Feb.20]</i>	<i>[Reading Week]</i>	-	-
7	Feb.27	Quantum wavyness	Essay 2 (10%) [1500 words]	Oral Presentation assignment
8	Mar.06	Cosmology 1		
9	Mar.13	Cosmology 2	Oral Presentation draft notes (7%)	Essay 3: Cosmology
10	Mar.20	Unification		
11	Mar.27	String theory	Essay 3 (10%) [1500 words]	Polish & rehearse Oral Presentation
12	Apr.03	<i>[Student talks]</i>	Oral Presentation (10%) [4 minutes]	
	<i>[Apr.06-30]</i>	<i>[Exam period]</i>	Final Exam (33%) [written, short answer]	