

Physics 513, Autumn 2017, University of Washington							
Graduate Classical Electrodynamics: Quarter 1 of 3							
	Text: John David Jackson, "Classical Electrodynamics," 3th ed.						
	(syllabus ver. 27sep17 10:35)						
week	date	lecture topic	reading*				
1	28-Sep	Introductory remarks	11-6				
2	3-Oct	Electrostatics review 1	1.1-7				
	5-Oct	Electrostatics review 2	1.8-1.11				
3	10-Oct	Method of images 1	2.1-4				
	12-Oct	Method of images 2	2.5-7				
4	17-Oct	Separation of variables 1	2.8-9				
	19-Oct	Separation of variables 2	2.10-11				
5	24-Oct	Spherical coordinates 1	3.1-3.4				
	26-Oct	<b>MID-TERM EXAM</b>					
6	31-Oct	Spherical coordinates 2	3.5-6				
	2-Nov	Cylindrical coordinates	3.7-8				
7	7-Nov	Spherical coordinates 3	3.9-10				
	9-Nov	Multipole expansion	4.1-2				
8	14-Nov	Dielectric media 1	4.3-5				
	16-Nov	Dielectric media 2, energy and dielectric media	4.6-7				
9	21-Nov	Magnetostatics review 1	5.1-3				
	23-Nov	Thanksgiving: no class					
10	28-Nov	Vector potential, Magnetostatics review 2	5.4-8				
	30-Nov	Boundary value problems in magnetostatics 1	5.9-10				
11	5-Dec	Boundary value problems in magnetostatics 2	5.11-12				
	7-Dec	Induction, energy and magnetic media, inductance	5.15-17				
12	13-Dec	<b>FINAL EXAM (TENTATIVE: CHECK FINAL-EXAM SCHEDULE)</b>					
		* The pace of the class, and therefore the readings, will likely vary.					
		Also, there will be special topics discussed in lecture.					