Physics 513, Autumn 2018, University of Washington						
Graduate Classical Electrodynamics: Quarter 1 of 3						
	Text: John David Jackson, "Classical Electrodynamics," 3th ed.					
	(syllabus ver. 10oct18 11:30)					
week	**date**	**lecture topic**	**reading***			
1	27-Sep	Introductory remarks	I1-6			
2	2-Oct	Electrostatics review 1	1.1-7			
	4-Oct	Electrostatics review 2	1.8-1.11			
3	9-Oct	Method of images 1	2.1-4			
	11-Oct	Method of images 2	2.5-7			
4	16-Oct	Separation of variables 1	2.8-9			
	18-Oct	Separation of variables 2	2.10-11			
5	23-Oct	Spherical coordinates 1	3.1-3.4			
	25-Oct	Spherical coordinates 2	3.5-6			
6	30-Oct	Cylindrical coordinates	3.7-8			
	1-Nov	Midterm Exam				
7	6-Nov	Spherical coordinates 3	3.9-10			
	8-Nov	Multipole expansion	4.1-2			
8	13-Nov	Dielectric media 1	4.3-5			
	15-Nov	Dielectric media 2, energy and dielectric media	4.6-7			
9	20-Nov	Magnetostatics review 1	5.1-3			
	22-Nov	Thanksgiving: no class				
10	27-Nov	Vector potential, Magnetostatics review 2	5.4-8			
	29-Nov	Boundary value problems in magnetostatics 1	5.9-10			
11	4-Dec	Boundary value problems in magnetostatics 2	5.11-12			
	6-Dec	Induction, energy and magnetic media, inductance	5.15-17			
12	12-Dec	**FINAL EXAM (TENTATIVE: CHECK FINAL-EXAM SCHEDULE)**				
		* The pace of the class, and therefore the readings, will likely vary from this syllabus.				
		Also, there will be special topics discussed in lecture.				