

Physics 321 Autumn 2015

	Text: Griffiths, "Intro. To Electrodynamics," 4th ed.		
	(ver. 29sep15 14:00)		
week	date	lecture topic	reading
1	1-Oct	Introduction: Misc. Math.	Chapt 1
2	6-Oct	Electric field, Coulombs's Law	2.1
	8-Oct	Gauss's Law	2.2
3	13-Oct	Electrostatic Potential	2.3
	15-Oct	Static work, conductors	2.4, 2.5
4	20-Oct	Laplace's Equation	3.1
	22-Oct	review	
5	27-Oct	EXAM 1	
	29-Oct	Images	3.2
6	3-Nov	Separation of variables I	3.3
	5-Nov	Separation of variables II	3.3
7	10-Nov	Multipole Expansion I	3.4
	12-Nov	Multipole Expansion II	3.4
8	17-Nov	review	
	19-Nov	EXAM 2	
9	24-Nov	Polarization	4.1
	26-Nov	Holiday	
10	1-Dec	Fields of a Polarized Object	4.2
	3-Dec	Electric "Displacement" Vector	4.3
11	8-Dec	Linear dielectrics	4.4
	10-Dec	Review	
12	16-Dec	FINAL EXAM	