

<b>Week</b>	<b>Lecture</b>	<b>Date</b>	<b>Topics</b>	<b>Griffiths (4<sup>th</sup> ed)</b>
1	1	Aug 23	Introduction	
2	2	Aug 28	vector analysis, vector transformation	Chapter 1
	3	Aug 30	Dirac delta function, theory of vector fields	
3	4	Sept 4	Coulomb's Law, Gauss's Law, potential	Chapter 2
	5	Sept 6	work and energy in electrostatics, conductors	
4	6	Sept 11	Laplace's equation, method of images	Chapter 3
	7	Sept 14	method of images, separation of variables	
5	8	Sept 18	multipole expansion	
	9	Sept 20	polarization, field of polarized object	Chapter 4
6		Sept 25	midterm	
	10	Sept 27	electric displacement, linear dielectrics	
7	11	Oct 2	Biot-Savart law, Ampere's law	Chapter 5
	12	Oct 4	magnetic vector potential, Lorenz force law	
8	13	Oct 9	magnetic dipole, magnetization	Chapter 6
	14	Oct 11	H field, field of magnetized object	
9	15	Oct 16	Ohm's law, Faraday's law	Chapter 7

		Oct 18	midterm	
10	16	Oct 23	Maxwell's equations	
	17	Oct 25	energy and momentum in electrodynamics	Chapter 8
11	18	Oct 30	electromagnetic waves	Chapter 9
	19	Nov 1	electromagnetic waves in vacuum	
12	20	Nov 6	reflection and transmission	
	21	Nov 8	absorption and dispersion, wave guides	
13		Nov 13	midterm	
	22	Nov 15	coaxial transmission line	
14	23	Nov 20	scalar and vector potentials, gauges	Chapter 10
		Nov 22	Thanksgiving	
15	24	Nov 27	radiation, electric dipole radiation	Chapter 11
	25	Nov 29	magnetic dipole radiation	
17		Dec 11	final examination	