

## Fall 2014: Electromagnetic Theory II (171.301) 10:30–11:45am, Tue/Thr, Bloomberg 274

	Mon	Tue	Wed	Thu	Fri
1	Aug.25	Aug.26	Aug.27	Aug.28 = class #1 =	Aug.29
	Chapters 1,2: Math, electric field and potential				
2	Sep.1 – <b>Labor Day</b> –	Sep.2 HW0 (optional)	Sep.3	Sep.4	Sep.5 Section: HW1
	Chapters 2, 3: Potential, energy, conductors, Laplace's equation				
3	Sep.8	Sep.9 HW1	Sep.10	Sep.11	Sep.12 Section: HW2
	Chapter 3: Laplace's equation, Image charges				
4	Sep.15	Sep.16 HW2	Sep.17	Sep.18	Sep.19 Section: HW3
	Chapters 3, 4: Multipole expansion, dielectrics				
5	Sep.22	Sep.23 HW3	Sep.24	Sep.25	Sep.26 Section: HW4
	Chapters 4, 5: Dielectrics; magnetostatics				
6	Sep.29	Sep.30 HW4	Oct.1	Oct.2	Oct.3 Section: HW5
	Chapters 5, 6: Magnetostatics, vector potential; magnetic materials				
7	Oct.6	Oct.7 HW5	Oct.8	Oct.9	Oct.10 Section: MIDTERM
	Chapters 6, 7: Magnetic materials, Electrodynamics				
8	Oct.13	Oct.14 <b>MIDTERM</b>	Oct.15	Oct.16 – no class –	Oct.17 – <b>Fall Break</b> –
	MIDTERM covers weeks 1–6, Chapters 1–5, HW1–5				
9	Oct.20	Oct.21	Oct.22	Oct.23	Oct.24 Section: HW6
	Chapter 7: Electrodynamics, Maxwell Equations				
10	Oct.27	Oct.28 HW6	Oct.29	Oct.30	Oct.31 Section: HW7
	Chapter 8: Conservation laws				
11	Nov.3	Nov.4 HW7	Nov.5	Nov.6	Nov.7 Section: HW8
	Chapter 9: Electromagnetic waves				
12	Nov.10	Nov.11 HW8	Nov.12	Nov.13	Nov.14 Section: HW9
	Chapters 9, 10: Laws of optics, conducting media, wave guides; potential and fields				
13	Nov.17	Nov.18 HW9	Nov.19	Nov.20	Nov.21 Section: HW10
	Chapters 10, 11: Potential and fields; radiation				
14	Non. 24 – Nov. 30: ———— <b>Thanksgiving</b> ————				
15	Dec.1	Dec.2 HW10	Dec.3	Dec.4	Dec.5 Section: HW11 (optional), FINAL
	Chapter 11: Radiation				
16	Dec. 8 – 9: reading period; Optional HW11; Dec. 12: <b>FINAL</b> at 9am –12pm				