

## Fall 2013: Electromagnetic Theory II (171.301) 10:30–11:45am, Tue/Thr, Bloomberg 168

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