

Course Syllabus:

The following table contains the syllabus of the course. The table lists the numbers for selected discussion problems. Students are encouraged to try additional problems on their own.

<i>Chapter</i>	<i># of Lectures +Discussions</i>	<i>Discussion Problems</i>	<i>Lecture Problems</i>
21: Coulomb's Law.	1L + 1D	3, 6, 13 ,31 ,35 ,37	5, 18, 22, 33
22: Electric Fields.	3L + 1.5D	1,4,11,12,19,33,38,41	14, 55, 17,23,40,49
23: Gauss's Law	3L + 1.5D	1,6, 8, 17,18,23,29,39	3,4,13,21,25,43,50
24: Electric Potential	3L + 1.5D	3,7,17,25,33,47,60,63	9,10,12,31,46,59,51
25: Capacitance	2L + 1D	2,10,17,37,39,53	4,6,22,27,28,45
26: Current & Resistance	2L + 1D	3,15,25,43,48,53	14,17,20,45, 52
27: Circuits	2L + 1D	8,15,18,33,47,69	2,21,30,59,61,64
<u>Midterm Exam</u>			
28: Magnetic Fields.	3L + 1.5D	4,18,21,31,47,49,63	5,19,20,22,41,42, 43,54
29: Magnetic Fields Due Currents	3L + 1.5D	5,6,20,25,34,35,58	8,23,27,28,45,57
30: Induction & Inductance	3L + 1.5D	9,10,18,19,23,41,68	5,12,15,27,28,45, 47,72
31.1: E&M Oscillations	1L + 0.5D	1,24,27,37,53,56	37,48,53,55,57
32.1, 2 ,3: Maxwell's Equations	1L + 0.5D	1,5,14,42,49	3,6,10,16,30,33

Best of Luck