

Spring 2020 (2195) Course Schedule for EEET 241

This is an approximation of the sequence & time of course topics.

Lecture #	Date	Topic Title	Reading	Homework
1	1/13/20	AC Circuit & AC Power Review	Ch.2.0-12, 2.15, 2.20, 2.21, 2.32-38	HW#1 Ch.2: 10,11,12, 13, 14, 15, 16 Due Class #3
2	1/15/20	Complex Arithmetic, RLC Elements	Ch.7.0-7.12,7.14- 7.17	HW#2 Ch.7: 7, 13,14,16, 19, 22, 24 Due Class #3
3	1/22/20			
4	1/27/20	Three Phase Circuits	Ch.8.0-8.21	HW#3 Ch.8: 12,15,20,21,26 Due Class #6
5	1/29/20			
6	2/3/20	Three Phase and Ideal transformers	Ch.9.0-9.10	HW#4 Ch.9: 4,5,6 Due Class #8
7	2/5/20			
8	2/10/20	Practical Transformers SC & OC test and equivalent circuits	Ch.10.0-10.17	HW#5 Ch.10: 14,21,25,30,31,33 Due Class #11
9	2/12/20			
10	2/17/20			
11	2/19/20	Special Transformers	Ch.11.0-11.7	HW#6 Ch. 11: 7, 8, 14 Due Class #13
12	2/24/20	Three Phase Transformers	Ch.12.0-12.8	HW#7 Ch. 12: 7, 8, Due Class #14
13	2/26/20			
14	3/2/20	Exam #1		
15	3/4/20	Review		
16	3/16/20	Three Phase Induction Motors	Ch.13.0-13.17	HW#8 Ch. 13: 2, 14,15,18,23,28,29,30 Due Class #18
17	3/18/20			
18	3/23/20	Application of Three Phase Induction Motors	Ch.14.0-14.4, 14.15	HW#9 Ch. 14: 14 Due Class #19
19	3/25/20	Equivalent Circuit of Induction Motors	Ch. 15.0-4 15.9	HW#10 Ch. 15: 2, 4 Due Class #20
20	3/30/20	Synchronous Machines - Motors	Ch. 17.0-17.15	HW#11 Ch. 17: 9,10,11,12,14,15,16,17 Due Class #21
21	4/1/20	Alternators	Ch. 16.0-16.24	HW#12 Ch. 16: 3,4,5,6,7,16,22 Due Class #23
22	4/6/20			
23	4/8/20	Single Phase Motors	Ch. 18.0-18.11	HW#13 Ch. 18: 8,9,12a,17 Due Class #25
24	4/13/20			
25	4/15/20	DC Machines: Generators	Ch. 4.0-4.28	HW#14 Ch. 4: 9a,10,22 Due Class #26
26	4/20/20	DC Machines: Motors	Ch. 5.0- 5.24	HW#15 Ch.5: 9,10,12,13,17,18 (+) Due Class #27
27	4/22/20	Exam# 2		
28	4/27/20	Review		

revised 1/7/2020