

# 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	<b>HW#1</b> Ch.2: 10,11,12, 13, 14, 15, 16 <b>Due Class #3</b>
2	1/15/20	Complex Arithmetic, RLC Elements	Ch.7.0-7.12,7.14- 7.17	<b>HW#2</b> Ch.7: 7, 13,14,16, 19, 22, 24 <b>Due Class #3</b>
3	1/22/20			
4	1/27/20	Three Phase Circuits	Ch.8.0-8.21	<b>HW#3</b> Ch.8: 12,15,20,21,26 <b>Due Class #6</b>
5	1/29/20			
6	2/3/20	Three Phase and Ideal transformers	Ch.9.0-9.10	<b>HW#4</b> Ch.9: 4,5,6 <b>Due Class #8</b>
7	2/5/20			
8	2/10/20	Practical Transformers SC & OC test and equivalent circuits	Ch.10.0-10.17	<b>HW#5</b> Ch.10: 14,21,25,30,31,33 <b>Due Class #11</b>
9	2/12/20			
10	2/17/20			
11	2/19/20	Special Transformers	Ch.11.0-11.7	<b>HW#6</b> Ch. 11: 7, 8, 14 <b>Due Class #13</b>
12	2/24/20	Three Phase Transformers	Ch.12.0-12.8	<b>HW#7</b> Ch. 12: 7, 8, <b>Due Class #14</b>
13	2/26/20			
14	3/2/20	<b>Exam #1</b>		<b>In-Class</b>
15	3/4/20	Review		
<b>Change to On-Line delivery</b>				
16	3/25/20	Three Phase Induction Motors	Ch.13.0-13.17	<b>HW#8</b> Ch. 13: 1-6, 10, 12, 14-15, 18, 23, 24 <b>Project #1 Due Class #17</b>
17	3/30/20	Application of Three Phase Induction Motors	Ch.14.0-14.4, 14.10, 14.15	<b>HW#9</b> Ch. 14: 1-6, 14, 27, 28 <b>Project #2 Due Class #18</b>
18	4/1/20	Equivalent Circuit of Induction Motors	Ch. 15.0-3, 15.5, 15.9	<b>HW#10</b> Ch. 15: 2, 4, 9, 10 <b>Project #3 Due Class #19</b>
19	4/6/20	<b>Exam #2 Due at 18:00</b>		<b>On-Line</b>
20	4/10/20	Synchronous Machines - Motors	Ch. 17.0-17.2, 17.5, 17.7, 17.14-15	<b>HW#11</b> Ch. 17: 9,10,11,12,16,17 <b>Project #4 Due Class #21</b>
21	4/13/20	Alternators	Ch. 16.0-16.4 16.7,16.9-11, 16.15-17, 16.22	<b>HW#12</b> Ch. 16: 3,4,5,6,7,16,22 <b>Project #5 Due Class #22</b>
22	4/15/20	Single Phase Motors	Ch. 18.0-18.2, 18.4, 18.6-7, 18.9-11	<b>HW#13</b> Ch. 18: 8,9,12a,16 <b>Project #6 Due Class #23</b>
23	4/20/20	DC Machines	Ch. 4.0-4, 4.11, 4.24-25 & Ch. 5.0-2, 5.4-6, 5.12-13, 5.15-16, 5.23-24	<b>HW#14</b> Ch. 4: 9a,10 & Ch.5: 12,13 <b>Project #7 Due Class #24</b>
24	4/24/20	<b>Exam #3 Due at 18:00</b>		<b>On-Line</b>
25	4/27/20	<b>Final Exam Posted</b>		<b>On-Line</b>
Final	5/1/20	<b>Final Exam Due</b>		<b>On-Line</b>

revised 3/20/2020