



Course Calendar

Class	Day	Date	Topic	Reading	Assignments Due
1-1	M	12/01	Mutual inductance	6.4	
1-2	T	12/02	Mutual inductance	6.5	Pre- Lab 11
1-L	W	12/03	<i>Lab 11. Instrumentation Amplifier</i>		
1-3	R	12/04	The Ideal transformer	9.11	<i>HW 1</i>
2-1	M	12/08	Natural response of 1 st order circuits	7.1 - 2	Quiz 2
2-2	T	12/09	Step response of 1 st order circuits	7.3 - 4	Pre-Lab 12
2-L	W	12/10	<i>Lab 12. Self & Mutual Inductance</i>		
2-3	R	12/11	Natural & Step response of 2 nd order circuits	8.1-4	<i>HW 2</i>
3-1	M	12/15	Natural & Step response of 2 nd order circuits	8.1-4	Quiz 3
3-2	T	12/16	Circuit elements and analysis in the s domain	13.1 - 2	Pre-Lab 13
3-L	W	12/17	<i>Lab 13. Step Response Design</i>		
3-3	R	12/18	Circuit analysis in the s domain	13.2	<i>HW 3</i>
Winter Break					
4-1	M	1/05	Applications in s domain	13.3 & 12.6	Quiz 4
4-2	T	1/06	Applications in s domain	13.3 & 12.6	Pre-Lab 14
4-L	W	1/07	<i>Lab 14. Gyrator</i>		<i>HW 4</i>
4-3	R	1/08	Exam 1 (up through 4-2)		
5-1	M	1/12	Initial/final value theorem, Transfer function & the steady-state sinusoidal response	13.4 & 12.8-9 13.7	Quiz 5
5-2	T	1/13	Introduction to filters	14.1-3	Pre-Lab 16
5-L	W	1/14	<i>Lab 16. Phase-Shift Oscillator</i>		
5-3	R	1/15	Low-pass Filters passive & active	14.2 & 15.1	<i>HW 5</i>
6-1	M	1/19	High-pass Filters passive & active	14.3 & 15.1	Quiz 6
6-2	T	1/20	First order filters & Bode diagrams	E.1-2	Pre-Lab 15
6-L	W	1/21	<i>Lab 15. Steps & Steady State</i>		
6-3	R	1/22	Second order filters & Bode diagrams	14.4-5	<i>HW 6</i>
7-1	M	1/26	Bandpass filters & Bode diagrams	14.4	Quiz 7
7-2	T	1/27	Bandreject filters & Bode diagrams	14.5	
7-L	W	1/28	<i>Lab 17. Lab Practical Test</i>		
7-3	R	1/29	Filter scaling	15.2	<i>HW 7</i>
8-1	M	2/02	Op Amp Bandpass & Bandreject filters	15.3	Quiz 8
8-2	T	2/03	Higher order op amp filters	15.4	Pre-Lab 18
8-L	W	2/04	<i>Lab 18. Bode Diagram Design</i>		
8-3	R	2/05	Exam 2 (up through 7-3)		<i>HW 8-due 2/6</i>
9-1	M	2/09	Butterworth filters	15.4	Quiz 9
9-2	T	2/10	Narrowband bandpass filters	15.5	Pre-Lab 19
9-L	W	2/11	<i>Lab 19. Low-Pass Filter Design</i>		
9-3	R	2/12	Narrowband bandreject filters	15.5	<i>HW 9</i>
10-1	M	2/16	Terminal equations and Two-port parameters	18.1-2	Quiz 10
10-2	T	2/17	Terminal equations and Two-port parameters	18.1-2	Pre-Lab 20
10-L	W	2/18	<i>Lab 20. Poles on Planes</i>		
10-3	R	2/19	Analysis of terminated two-port circuits	18.3	<i>HW 10</i>
Finals Week			FINAL EXAM (up through 10-3)		