

Due	#	Date	Lecture Topic and Conceptual Tools Links
	1	M 23 Aug	Course Intro, procedures; RLC CIRCUITS: RLC Differential Eqn
	2	W 25	RLC CIRCUITS: RLC Differential Eqn Sol'n
	3	F 27	RLC CIRCUITS: RLC Characteristic Roots/Damping: Ex
	4	M 30	RLC CIRCUITS: General RLC Solution: Ex 1 , Ex 3
	5	W 1 Sept	RLC CIRCUITS: General RLC Solution: Ex 3 (cont.), Ex 4
HW 1	6	F 3	HW1 soln
		M 6	HOLIDAY: LABOR DAY
	7	W 8	STATE-SPACE METHOD: Circuits: Initial conditions: Ex 1 ; Eqns Ex 1
HW 2	8	F 10	HW 2 soln Practice Exam
	9	M 13	Exam 1
	10	W 15	Exam 1 solution
	11	F 17	FILTERS: RC and RL Filters: Ex 1 , Ex 3
	12	M 20	FILTERS: RLC Filters: Frequency response: Ex 1 , Ex 2
	13	W 22	FILTERS: RLC Filters: Frequency response: Ex 3 2.3.1(text 16.3b) Fourier coeff's
	14	F 24	FOURIER SERIES: Example Series: Ex 2
HW 3	15	M 27	HW3 soln
	16	W 29	FOURIER SERIES: Example Series: Ex 3
	17	F 1 Oct	FOURIER SERIES: Circuit Response: Ex
HW 4	18	M 4	HW 4 soln Practice Exam
	19	W 6	Exam 2
	20	F 8	Exam 2 solution
		M 11	HOLIDAY: FALL BREAK
		W 13	HOLIDAY: FALL BREAK
		F 15	HOLIDAY: FALL BREAK
	21	M 18	LAPLACE TRANSFORM: Step Functions: Ex
	22	W 20	LAPLACE TRANSFORM: Transform Pairs: Ex (a, c) ; Impulse Function: Ex
	23	F 22	LAPLACE TRANSFORM: Identities: Ex 1 (c) , Ex 2 (a) , Ex 3 (c)
	24	M 25	LAPLACE TRANSFORM: Inv Xform: Partial fracs: Ex 1 (a,c) Ex 2 (a)
	25	W 27	LAPLACE TRANSFORM: Poles/Zeros: Ex 1 ; Init/Final Val: Ex (a, d)
HW 5	26	F 29	HW5 soln
	27	M 1 Nov	LAPLACE TRANSFORM: Circ: s-domain elem: Ex ; s-domain solns: Ex
	28	W 3	LAPLACE TRANSFORM: Circuits: t-domain waveforms: Ex
HW 6	29	F 5	HW 6 soln Practice Exam
	30	M 8	Exam 3
	31	W 10	Exam 3 solution
	32	F 12	POWER ELECTRONICS: 3-Phase Systems: Ex 1
	33	M 15	POWER ELECTRONICS: 3-Phase Systems: Ex 2
	34	W 17	POWER ELECTRONICS: AC Power: p(t), P, Q: Ex 2
	35	F 19	POWER ELECTRONICS: AC Power: RMS: Ex 2 ; 3-Phase: Power: Ex
HW 7	36	M 22	HW7 soln
	37	W 24	TRANSFORMERS: Linear Transformers: Ex
		F 26	HOLIDAY: THANKSGIVING BREAK
	38	M 29	TRANSFORMERS: Ideal Transformers: Ex 2
HW 8	39	W 1 Dec	HW 8 soln Practice Exam
	40	F 3	Exam 4
	41	M 6	Exam 4 solution
HW 9	42	W 8	HW 9 soln
HW 10	43	F 10	HW 10 soln Practice Exam
		M 13 Dec	Final Exam (10:30 AM -12:30 PM, regular classroom)