



Due	#	Date	Lecture Topic and Conceptual Tools Links
	1	M 26 Aug	Course Intro, procedures
	2	W 28	CIRCUITS: Basic DC Circuits: Units, Voltage v , Current i , Power p
	3	F 30	CIRCUITS: Basic DC Circuits: EM simp., Devices, Passive sign Ex 1
		M 2 Sept	HOLIDAY: FALL BREAK
HW 1	4	W 4	CIRCUITS: Basic DC Circuits: Sources: voltage, current, ind, dep Ex 1
	5	F 6	CIRCUITS: Kirchhoff's Laws: Wrtg v , i eqns: Ex 1
HW 2	6	M 9	CIRCUITS: Ohm's Law: R nets Ex 1 ; V/IDividers Ex
	7	W 11	OP-AMPS: As high-gain differential amplifier, as ideal amplifier, Ex 1
HW 3	8	F 13	OP-AMPS: Differential Amplifier Ex 2
	9	M 16	CIRCUITS: Basic DC Circuits: Power; Node-Voltage Method Ex 1
HW 4	10	W 18	CIRCUITS: Node-Voltage Method Ex 4
	11	F 20	CIRCUITS: Thevenin Equivalent: Thevenin Ex <-> Norton xform Ex
HW 5	12	M 23	CIRCUITS: Max Pwr Xfer: Ex
	13	W 25	Exam 1
	14	F 27	SUPERPOSITION: Circuits: VDC+VDC: Ex 1
	15	M 30	RLC CIRCUITS: C (Capacitor Eqns): Ex 1 ; L (Inductor Eqns): Ex 1
	16	W 2 Oct	RLC CIRCUITS: General RC/RL Solution: Ex 1
HW 6	17	F 4	RLC CIRCUITS: General RC/RL Solution: Ex 3
HW 7	18	M 7	RLC CIRCUITS: General RC/RL Solution: Ex 6
HW 8	19	W 9	RLC CIRCUITS: RLC Differential Eqn Sol'n; Characteristic Roots/Damping: Ex
HW 9	20	F 11	RLC CIRCUITS: General RLC Solution: Ex 1 , Ex 3
		M 14	HOLIDAY: FALL BREAK
		W 16	HOLIDAY: FALL BREAK
		F 18	HOLIDAY: FALL BREAK
	21	M 21	RLC CIRCUITS: General RLC Solution: Ex 3 (cont.), Ex 4
HW 10	22	W 23	LAPLACE TRANSFORM: Step Functions: Ex
	23	F 25	Exam 2
	24	M 28	LAPLACE TRANSFORM: Transform Pairs: Ex (a, c) ; Impulse Function: Ex
	25	W 30	LAPLACE TRANSFORM: Identities: Ex 1 (c) , Ex 2 (a) , Ex 3 (c)
HW 11	26	F 1 Nov	LAPLACE TRANSFORM: Inv Xform: Partial fracs: Ex 1 (a,c)
	27	M 4	LAPLACE TRANSFORM: Inv Xform: Partial fracs: Ex 2 (a)
HW 12	28	W 6	LAPLACE TRANSFORM: Poles/Zeros: Ex 1 ; Init/Final Val: Ex (a, d)
	29	F 8	LAPLACE TRANSFORM: Circ: s-domain elem: Ex ; s-domain solns: Ex
HW 13	30	M 11	LAPLACE TRANSFORM: Circuits: t-domain waveforms: Ex
	31	W 13	LAPLACE TRANSFORM: Circuits: t-domain waveforms: Ex 2
HW 14	32	F 15	COMPLEX ANALYSIS: Basic Math: 10 views $j=\sqrt{-1}$, rationalization Ex 2
	33	M 18	Exam 3
	34	W 20	COMPLEX ANALYSIS: Basic Math: 10 views $j=\sqrt{-1}$, Add sub Ex
HW 15	35	F 22	COMPLEX ANALYSIS: Phasors ; IMPEDANCE: Ohm's Law: Ex 1 , Ex 2
	36	M 25	IMPEDANCE CIRCUITS: Kirchhoff's Laws: Ex
HW 16	37	W 27	IMPEDANCE CIRCUITS: Node-Voltage Method: Ex
		F 29	HOLIDAY: THANKSGIVING BREAK
	38	M 2 Dec	IMPEDANCE CIRCUITS: Thevenin Equivalent: Ex 1
HW 17	39	W 4	FILTERS: RC and RL Filters: Ex 1 , Ex 3
HW 18	40	F 6	FILTERS: RLC Filters: Frequency response: Ex 1 , Ex 2
	41	M 9	FILTERS: RLC Filters: Frequency response: Ex 3 2.3.1(text 16.3b)
HW 19	42	W 11	Review for Final Exam
	43	F 13	Exam 4
HW 20		H 19 Dec	Final Exam (10:30 AM -12:30 PM, regular classroom)