



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