

SYLLABUS



Due	#	Date	Topics
	1	M 10 Jan	Course Intro, procedures
	2	W 12	CIRCUITS: Basic DC Circuits: Units, Voltage v, Current i, Power p
	3	F 14	CIRCUITS: Basic DC Circuits: EM simp., Devices, Passive sign Ex 1
		M 17	HOLIDAY: MARTIN LUTHER KING DAY
	4	W 19	CIRCUITS: Basic DC Circuits: Sources: voltage, current, ind, dep Ex 1
HW 1	5	F 21	CIRCUITS: Kirchhoff's Laws: Wrtg v, i eqns: Ex 1
HW 2	6	M 24	CIRCUITS: Ohm's Law: R nets Ex 1 ,; V/I Dividers Ex
HW 3	7	W 26	HW 3 solution
	8	F 28	OP-AMPS: As high-gain differential amplifier, as ideal amplifier, Ex 2
HW 4	9	M 31	HW 4 solution
	10	W 2 Feb	Exam 1
	11	F 4	Exam 1 solution
	12	M 7	CIRCUITS: Basic DC Circuits: Power; Node-Voltage Method Ex 1
HW 5	13	W 9	CIRCUITS: Node-Voltage Method Ex 4
HW 6	14	F 11	CIRCUITS: Mesh-Current Method Ex 1
HW 7	15	M 14	HW 7 solution
	16	W 16	CIRCUITS: Thevenin Equivalent: Thevenin \leftrightarrow Norton xform Ex ,; Ex
HW 8	17	F 18	HW 8 solution
		M 21	HOLIDAY: PRESIDENT'S DAY
	18	W 23	Exam 2
	19	F 25	Exam 2 solution
	20	M 28	RLC CIRCUITS: C (Capacitor Eqns): Ex 1 ; L (Inductor Eqns): Ex 1
	21	W 2 Mar	RLC CIRCUITS: General RC/RL Solution: Ex 1
	22	F 4	RLC CIRCUITS: General RC/RL Solution: Ex 3
HW 9	23	M 7	RLC CIRCUITS: General RC/RL Solution: Ex 6
HW 10	24	W 9	CIRCUITS: Max Pwr Xfer: Ex
HW 11	25	F 11	HW 11 solution
	26	M 14	SUPERPOSITION: Circuits: VDC+VDC: Ex 1
HW 12	27	W 16	HW 12 solution
	28	F 18	Exam 3
		M 21	HOLIDAY: SPRING BREAK
		W 23	HOLIDAY: SPRING BREAK
		F 25	HOLIDAY: SPRING BREAK
	29	M 28	Exam 3 solution
	30	W 30	COMPLEX ANALYSIS: Basic Math: 10 views $j=\sqrt{-1}$, rationalization Ex 2
	31	F 1 Apr	COMPLEX ANALYSIS: Basic Math: 10 views $j=\sqrt{-1}$, Add sub Ex
	32	M 4	COMPLEX ANALYSIS: Phasors ; IMPEDANCE: Ohm's Law: Ex 1 , Ex 2
HW 13	33	W 6	IMPEDANCE CIRCUITS: Kirchhoff's Laws: Ex
	34	F 8	IMPEDANCE CIRCUITS: Node-Voltage Method: Ex
HW 14	35	M 11	IMPEDANCE CIRCUITS: Thevenin Equivalent: Ex 1
HW 15	36	W 13	HW 15 solution
	37	F 15	SUPERPOSITION: Circuits: VAC+VAC: Ex
HW 16	38	M 18	HW 16 solution
	39	W 20	Exam 4
	40	F 22	Exam 4 solution
HW 17	41	M 25	HW 17 solution
HW 18	42	W 27	HW 18 solution
		M 2 May	Final Exam (8:00 AM – 10:00 AM, regular classroom)