6.002 at a Glance, Spring 2009

(revised: Jan. 28, 2009)

	Monday	Tuesday Lecture	Wednesday Recitation	Thursday Lecture	Friday Recitation
week 1	Feb. 2 **Registration Day**	Feb. 3 · L1 Introduction to 6.002; lumped circuit abstraction; KVL& KCL	Feb. 4 · R1 Parallel & series resistors; voltage & current dividers HW1 out	Feb. 5 · L2 Node analysis	Feb. 6 · R2 Node analysis examples
week 2	Feb. 9 Tutorials	Feb. 10 · L3 Linearity & superposition; Thevenin & Norton	Feb. 11 · R3 Thevenin and Norton equivalence HW1 due HW2 out	Feb. 12 · L4 Non-linear components	Feb. 13 · R4 Examples of non-linear components
week 3	Feb. 16 **Presidents' Day**	Feb. 17 Monday Schedule Monday Tutorials	Feb. 18 · R5 Diode circuits using method of assumed states HW2 due HW3 out Tuesday Tutorials	Feb. 19 · L5 Non-linear components: small-signal analysis	Feb. 20 · R6 Examples of small-signal analysis with non-linear components
week 4	Feb. 23 Tutorials	Feb. 24 · L6 Signal amplification; Dependent sources	Feb. 25 · R7 Examples of circuits with dependent sources HW3 due	Feb. 26 · L7 MOSFET amplifiers	Feb. 27 · R8 Examples of MOSFET amplifiers
week 5	Mar. 2 Tutorials	Mar. 3 · L8 Amplifier biasing and small-signal analysis	Mar. 4 No Recitations **Quiz 1**	Mar. 5 · L9 Small-signal equivalent circuits HW4 out	Mar. 6 · R9 Problems from Quiz 1. Examples of amplifier biasing and small-signal analysis
week 6	Mar. 9 Tutorials	Mar. 10 · L10 Digital electronics; MOSFET logic	Mar. 11 · R10 Examples of MOSFET logic circuits HW4 due HW5 out	Mar. 12 · L11 RC networks; step response	Mar. 13 · R11 Examples of RC networks; impulse response
week 7	Mar. 16 Tutorials	Mar. 17 · L12 Dynamic of logic circuits	Mar. 18 · R12 More on dynamics of RC circuits HW5 due HW6 out Lab1 out	Mar. 19 · L13 Energy & power in NMOS logic; CMOS	Mar. 20 · R13 More examples of dynamics of RC circuits

	Mar. 23	Mar. 24	Mar. 25	Mar. 26	Mar. 27
	Spring Vacation				
week 8	Mar. 30	Mar. 31 L14 RL network: step response	Apr. 1 R14 Examples of RL networks; impulse response HW6 due	Apr. 2 L15 LC network: natural response	Apr. 3 R15 RLC network: natural response Lab1 check off due
			Lab 1 sessions		
week 9	Apr. 6	Apr. 7 L16 LC networks: step & impulse response	Apr. 8 No Recitations **Quiz 2**	Apr. 9 L17 Sinusoidal steady state; the frequency domain HW7 out	Apr. 10 R16 Problems from Quiz 2 RLC networks: step & impulse response Lab1 write up due
	Tutorials				
week10	Apr. 13	Apr. 14 L18 Impedance & admittance	Apr.15 R17 SSS of second order systems HW7 due HW8 out	Apr. 16 L19 RLC filters; Q	Apr. 17 R18 Examples of impedance and admittance techniques
	Tutorials				
week11	Apr. 20	Apr. 21	Apr. 22 R19 Examples of RLC filters, Q HW8 due HW9 out	Apr. 23 L20 Operational amplifier	Apr. 24 R20 Examples of op-amp circuits
	Patriots Day				
			Monday Tutorials	Tuesday Tutorials	
week12	Apr. 27	Apr. 28 L21 Op-amps circuits	Apr. 29 R21 Examples of op-amp circuts	Apr. 30 L22 Positive feedback; oscillators	May 1 R22 Examples of op-amp circuits
	Tutorials		Lab2 out		
week13	May 4	May 5 L23 DLC networks	May 6 R23 Examples of diodes + RC networks and diodes + op-amp HW9 due	May 7 L24 MOS differential amplifier	May 8 R24 Examples of MOS differential amplifier Lab2 check off due
			Lab 2 sessions		
week14	May 11	May 12 L25 AM radio transmitter	May 13 R25 6.002 wrap up	May 14 L26 AM radio receiver	May 15
	Tutorials				
	May 18	May 19	May 20	May 21	May 22
	Final Exam Week				

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