Mon	Tue	Wed	Thu	Fri	Sat	Sun
tics & Photonics, Micro	g of a long journey that leads waves, Quantum Electronics, school to work on Particle Phy	Robotics, Biomedical Engine	eering, Signal Processing, Cor	nputer Design both Hardwar		Design,
h transient analysis, stea		ons, resonance circuits, ampl			oduce differential equations, then es on diodes and bipolar junction	
	al. However, if you study prop ver you don't understand some				s any class, if you solve homewo	ork problems,
you are planning to atten	d the class as a tourist however	r, I can recommend better pl	aces to visit.			
nall words You will jus	st see the tip of the iceberg wit	h this class. Hopefully you w	vill get infected and continue	with Circuits II		
ECTURES: Group FFICE HRS: TBD SSISTANTS: TBD	p A: Tue 10:40-12:30 Thu 1	0:40-11:30 MDBF G077				
XT BOOK: Electrical I	Engineering Principles & App	lications, Allan R. Hambley,	4th Ed.			
AB HANDBOOK: Will	be available at Canon printing	office later.				
RADING POLICY: Mi	idterm = 30 % Lab =	25 % Quizzes =5 %	Final =40%	HW = 0 to -10%		
heating is not tolerated,	do not expect any sympathy	for the laziness. Seriousne	ess and hard work is appreci	ated.		
September 24th	25 CHAPTER 1 1.1, 1.2 Intro., current, voltage, power, energy definitions	26	27 CHAPTER 1 1.2—1.7 Kirchhoff's Voltage and Current Law, Circuit elements	28	PREPARE FOR THE LAB INTRO NEXT WEEK	30 O

ENS203 CIRCUITS I OCTOBER 2007

Mon	Tue	Wed	Thu	Fri	Sat	Sun
LAB INTRO	CHAPTER 2 2.1—2.3 Resistive circuits, parallel and series networks	3	4 CHAPTER 2 2.4—2.5 Node Voltage Analysis, Mesh Current Analysis	5	6	7
8	9 CHAPTER 2 2.5—2.6 Mesh Current Analysis continued	10	CHAPTER 2 2.6—2.8 Thevenin & Norton Circuits, Superposition	HOLIDAY	PREPARE FOR THE LAB 1: OPERATING INSTRUMENTS	
LAB 1 Instruments	CHAPTER 3 3.1—3.4 Capacitance and Inductance	17	CHAPTER 4 3.5 — 4.1 Introduction to first order RC circuits	19	PREPARE FOR THE LAB 2: Thevenin Ed	
LAB 2 Thevenin Eq.	23 CHAPTER 4 4.1—4.2 Transient Ciruits First order RC, RL circuits	24	CHAPTER 4 4.3—4.5 RC, RL circuits with sources, 2 nd order circuits	26	27	28
HOLIDAY	CHAPTER 5 5.1—5.2 Steady State Sinusoidal Analysis, Phasors	31				

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Mon	Tue	Wed	Thu	Fri	Sat	Sun
			CHAPTER 5 5.3—5.5 Complex Impedances, Circuit analysis, power in AC circuits	2	PREPARE FOR TH LAB 3: Series RC	
LAB 3 RC and RL	6 CHAPTER 5 5.6 Thevenin and Norton Equivalent Circuits	7	8 CHAPTER 6 6.1 — 6.4 Frequency Response, First order filters, Bode Plots	9	10	11
12	13	14	15	16	17	18
	S E M	ESTER	BREAK			
19	CHAPTER 6 6.4 — 6.5 Bode Plots, High Pass Filters	21	CHAPTER 6 6.6 — 6.7 Series Resonance Parallel Resonance	23	24	PREPARE FOR THE LAB 4: RC filters and Resonance
LAB 4 Resonance	27 CHAPTER 11 11.1 — 11.3 Basic Amplifier Concepts, Cascaded Amplifiers	28	29 CHAPTER 11 11.4 — 11.6 Additional Amplifier models, ideal amplifiers	30		

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Mon	Tue	Wed	Thu	Fri	Sat	Sun
					MIDTERM	2
3	CHAPTER 11 11.11 Differential Amplifiers	5	CHAPTER 14 14.11—14.4 Introduction to Operational Amplifiers	7	PREPARE FOR TH LAB 5: Op-Amps	9 IE
LAB 5 Amplifiers	CHAPTER 14 14.5—14.6 Op-Amp imperfections	12	CHAPTER 10 10.1—10.3 Basic Diode, Load Line Analysis, Zener Diode	14	15	16
17	CHAPTER 10 10.4—10.5 Diode Models	19	20	HOLIDAY	PREPARE FOR THE LAB 6: Building A R	
LAB 6 Radio	CHAPTER 10 10.6—10.8 Rectifiers, Wave Shaping, Small Signal Circuits	26	CHAPTER 10 10.6—10.8 Continued	28	29	30

ENS203 CIRCUITS I DECEMBER 2007 - JANUARY 2008

Mon	Tue	Wed	Thu	Fri	Sat	Sun
31	HOLIDAY	2	3 CHAPTER 13 13.1—13.2 Bipolar Junction Transistors, Common Emitter Characteristics	4	5	6
LAB FINAL	8 CHAPTER 13 13.4—13.6 NPN transistor, large signal models, DC analysis	9	CHAPTER 13 13.4—13.6 Transistors cont. LAST CLASS	11	12	13
FINALS START	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			