

George Mason University  
Volgenau School of Engineering  
Department of Electrical and Computer Engineering

**ECE 286: Electric Circuit Analysis II**  
Lecture Schedule  
Spring 2014

Date	Lec	Topic	Reading	HW Due	Lab
M 1/20		<b>Martin Luther King Day</b>			
W 1/22	1	Introduction			
M 1/27	2	Laplace Transform (Review)	15		
W 1/29	3	RC, RL, and RLC Circuits (Review)	7, 8	1	
M 2/3	4	Circuit element models using Laplace	16.1 – 16.2		
W 2/5	5	Circuit analysis using Laplace	16.3	2	
M 2/10	6	Transfer functions using Laplace	16.4 – 16.5		
W 2/12	7	Additional applications using Laplace	16.6	3	
M 2/17	8	Sinusoids and Phasors	9.1 – 9.3		
W 2/19	9	Phasor relationships for circuit elements	9.4 – 9.5	4	
M 2/24		Midterm #1 Review			
W 2/26		<b>Midterm #1 (Lectures 1 – 7)</b>		5	
M 3/3	10	Kirchoff's Laws in frequency domain	9.6		
W 3/5	11	Impedance combinations	9.7	6	
M 3/10		<b>Spring Break</b>			No Lab
W 3/12				None	
M 3/17	12	Nodal and Mesh analysis	10.1 – 10.3		
W 3/19	13	Superposition and Source Transformation	10.4 – 10.5	7	
M 3/24	14	Thevinin and Norton Equivalent	10.6		
W 3/26	15	OpAmp Circuits	10.7	None	
M 3/31	16	Frequency Response	14.1 – 14.3		
W 4/2	17	Bode Plots	14.4	8	
M 4/7		Midterm #2 Review			
W 4/9		<b>Midterm #2 (Lectures 8 – 15)</b>		9	
M 4/14	18	Filters	14.7 – 14.8		
W 4/16	19	Filters	14.8 – 14.9	10	
M 4/21	20	AC Power analysis	11.1 – 11.4		
W 4/23	21	AC Power analysis	11.5 – 11.9	11	
M 4/28	22	Mutual Inductance	13.1 – 13.3		
W 4/30	23	Transformers	13.4 – 13.5	12	
M 5/5	24	Review			
<b>M 5/12</b>		<b>Final Exam: 1:30 – 4:15pm</b>			