

George Mason University
ECE 220: SIGNALS & SYSTEMS I
 Spring 2007 Syllabus

Lec#	Date	Lecture Topic	Reading in Lathi	Problem Set		Lab Project	
				Out	Due	Out	Due
1	T 1/23	Introduction & brief background review	B1.2 through B.3	1			
2	R 1/25	Basic signals & signal operations	1.2 and 1.4				
3	T 1/30	Systems and system properties	1.6-1.7			1	
4	R 2/1	Differential equations and circuits	1.8	2	1		
5	T 2/6	Zero-input response	2.1-2.2			2	1
6	R 2/8	Zero-state response, impulse response	pp. 164-165, 169-171	3	2		
7	T 2/13	Graphical convolution	pp. 180-190			3	2
8	R 2/15	Convolution properties	2.4-1 and 2.4-3	4 (practice)	3		
9	T 2/20	Stability	2.6				
10	R 2/22	Exam 1: covers material through 2/15					
11	T 2/27	Eigenfunctions and Laplace transform	2.4-4, pp. 340-348	5		4	3
12	R 3/1	Inverse Laplace transform	pp. 348-357				
13	T 3/6	Laplace transform properties	4.2				
14	R 3/8	Problem-solving with Laplace	4.3	6	5		
	T 3/13	<i>Spring Break</i>					
	R 3/15	<i>Spring Break</i>		7	6		
15	T 3/20	Block diagrams	4.5				
16	R 3/22	Frequency response	4.8	8	7		
17	T 3/27	Bode plots	4.9				
18	R 3/29	Pole-zero plots	4.10	9 (practice)	8		
19	T 4/3	Applications of Laplace					
20	R 4/5	Exam 2: covers material through 3/29					
21	T 4/10	Fourier series	6.3	10			
22	R 4/12	Fourier series properties	6.3				
23	T 4/17	LTI response to periodic inputs	6.4				
24	R 4/19	Fourier transform	7.1	11	10		
25	T 4/24	Fourier transform	7.2				
26	R 4/26	Fourier transform properties	7.3	12	11		
27	T 5/1	Frequency analysis of LTI systems	7.4				
28	R 5/3	Ideal and practical filters	7.5	13 (practice)	12		
	R 5/15	Comprehensive Final: 1:30pm-4:15pm					

Other Important Dates

- February 6: Last date to add courses and Last date to drop with no tuition penalty
- February 13: Last date to drop with 33% tuition penalty
- February 23: Last date to drop
- March 11-18: Spring break
- May 9: Last day of classes
- May 7-8: Reading days
- May 8-16: Exam period