

**George Mason University**  
**ECE 220: SIGNALS & SYSTEMS I**  
 Fall 2006 Syllabus

Date	Lecture Topic	RAT	Problem Set		Project	
		Reading	Out	Due	Out	Due
M 8/28	Introduction, Basic Signals & Systems	1.1-1.5	1			
W 8/30	Systems and System Properties	1.6-1.8				
M 9/4	<i>Labor Day Holiday</i>					
W 9/6	Zero-Input Response	2.1-2.2	2	1		
M 9/11	Unit Impulse Response	2.3-2.4				
W 9/13	Zero-State Response		3	2		
M 9/18	Convolution Integral	2.4-2.5				
W 9/20	Classical Solution of Differential Equations		4	3		
M 9/25	Review Session	2.6-2.9				
W 9/27	System Stability		5	4		
M 10/2	Laplace Transform	4.1-4.2				
W 10/4	Laplace Transform Properties			5		
M 10/9	<i>No class - Monday classes meet Tuesday</i>					
T 10/10	Solution of Differential Equations	4.3	6			
W 10/11	<b>Exam 1: covers material through 9/27</b>					
M 10/16	Analysis of Electrical Networks	4.4-4.64				
W 10/18	Block Diagrams		7	6		
M 10/23	Frequency Response of LTI Systems	4.8-4.9				
W 10/25	Bode Plots		8	7		
M 10/31	Pole-Zero Plots	4.10, 6.1-6.2				
W 11/1	Trigonometric Fourier Series		9	8		
M 11/6	Exponential Fourier Series	6.3				
W 11/8	<b>Exam 2: covers material through 10/31</b>					
M 11/13	LTI Response to Periodic Inputs	6.4, 7.1				
W 11/15	Fourier Transform		10	9		
M 11/20	Fourier Transform Properties	7.2-7.3				
W 11/22	<i>Thanksgiving Holiday</i>					
M 11/27	Frequency Analysis of LTI Systems	7.4-7.6				
W 11/29	Ideal and Practical Filters		11	10		
M 12/4	Applications of Signals and Systems	7.7-7.9				
W 12/6	Applications of Signals and Systems			11		
R 12/18	<b>Comprehensive Final Exam 1:30pm-4:15pm</b>					

**Other Important Dates**

- September 4: Labor Day Holiday
- September 12: Last date to add courses and Last date to drop with no tuition penalty
- September 19: Last date to drop with 33% tuition penalty
- September 29: Last date to drop
- October 9: Columbus Day recess; Monday classes meet on Tuesday, October 10
- November 22-26: Thanksgiving holiday
- December 9: Last day of classes
- December 11: Reading day
- December 12-19: Exam period