Olin College of Engineering ENGR2410 -- Signal and Systems

Spring 2016 Calendar

Date	Topics	Ref	Out	Due
Thu, 1/21	course policies, diagonalization as an example of a transform, 1st order step response (capacitor voltage)	1	pset 1	
Mon, 1/25			quiz 1	pset 1
Thu, 1/28	linearity, diff. eq.; sinusoidal steady state, complex exponentials,transfer function; frequency response, Bode plots	2	pset 2	quiz 1
Mon, 2/1		_	quiz 2	pset 2
Thu, 2/4	impedance, kvl, kcl	3	pset 3	quiz 2
Mon, 2/8	square wave, sinc, orthogonality; Fourier series,		quiz 3	pset 3
Thu, 2/11	Fourier transform	4	pset 4	quiz 3
Mon, 2/15	no class, recovered Wed, 2/17			
Thu, 2/18	$Y(jw)=H(jw)X(jw)$; impulse response, $d=d/dt$ u, picking property, $F\{d(t)\}$, $F\{h(t)\}=H(jw)$	5	pset 5	pset 4
Mon, 2/22			quiz 5	pset 5
Thu, 2/25	convolution, system response in time, impulse train, square wave revisited	6	pset 6	quiz 5
	F{x(t)y(t)}, sampling	7	pset 7	
Thu, 3/3	no class			pset 6
Mon, 3/7	raviou/discussion/foodback		quiz 7	pset 7
Mon, 3/14	review/discussion/feedback Spring break			quiz 7
Thu, 3/17	Spring break			
	discrete, 1st order diff. eq.	8	pset 8	
Thu, 3/24	DT processing of CT			
Mon, 3/28			quiz 8	pset 8
Thu, 3/31	modulation and Communications. Laplace of functions, s-plane, ROC, L{exp*u}, relation to fourier	9	pset 9	quiz 8
Mon, 4/4	Laplace of systems, poles and zeros, L{u}, control, feedback, Black's formula, proportional control, DC gain, delay instability	10	quiz 9	pset 9
Thu, 4/7	gaill, delay ilistability		pset 10	quiz 9
Mon, 4/11	review		quiz 10	pset 10
Thu, 4/14			project description	
Mon, 4/18	no class, recovered Tue, 4/19			proposal, quiz 10
Thu, 4/21				
Mon, 4/25 Thu, 4/28	last day			
Finals	iast uay			video+write up