

GEORGIA INSTITUTE OF TECHNOLOGY
 School of Electrical and Computer Engineering
 ECE 4270A – Fundamentals of DSP – Summer 2004 – Professor B.H. Juang
 Tentative Course Schedule

May	10	Lecture 1 - Introduction to DSP	
	12	Lecture 2 - Discrete-time Signals & Systems, & Properties of LTI Systems	HW1 assigned
	14	Lecture 3 - Frequency Response and Discrete-Time Fourier Transform	
	17	Lecture 4 – Fourier transforms, Random signals	
	19	Lecture 5 – Random signals: review	HW1 due; HW2 assigned
	21	Lecture 6 – The z -transform	
	24	Lecture 7 – Inverse z -transform	
	26	Lecture 8 – Sampling	HW2 due; HW3 assigned
	28	Lecture 9 - Discrete-Time Processing of Continuous-Time Signals	
	31	School Holiday	
June	2	Lecture 10 – Review of sampling and DT processing	HW3 due; HW4 assigned
	4	Quiz #1	
	7	Lecture 11 – DT processing of CT signals	
	9	Lecture 12 – Decimation & interpolation	HW4 due; HW5 assigned
	11	Lecture 13 – Quantization & Frequency Response of Rational Systems	
	14	Lecture 14 – Frequency response of rational LTI systems	
	16	Lecture 15 - Frequency response of rational LTI systems	HW5 due; HW6 assigned
	18	Lecture 16	
	21	Lecture 17	
	23	Lecture 18	HW6 due; HW7 assigned
	25	Lecture 19	
	28	Lecture 20	
	30	Quiz #2	HW7 due; HW8 assigned
July	2	Lecture 21	
	5	School Holiday	
	7	Lecture 22	HW8 due; HW9 assigned
	9	Lecture 23	
	12	Lecture 24	
	14	Lecture 25	HW9 due; HW10 assigned
	16	Lecture 26	
	19	Lecture 27	
	21	Lecture 28	HW10 due
	23	Lecture 29 - Last day of class	
	28	Final Exam, 2:50 - 5:40 PM	