Republic of Iraq The Ministry of Higher Education & Scientific Research



University: Anbar College: Department: Computer Networks Systems Stage: Instructor name Academic status: Qualification: Place of work: University of Anbar

Course Weekly Outline

Course Name: Digital Signal Processing

Course Instructor	Dr. Omar Munthir Al Okashi						
E-mail	Omar.alokashi@uoanabr.edu.iq						
Title	Ass. Prof						
Course Coordinator							
Course Objective	The purpose of this course is to provide an overview of digital signal processing and describe the signal and converting from analog to digital. It will also provide knowledge of digital filter.						
Course Description	This course introduce the main concepts of signal processing starting from conversion to digital and arriving to filtering.						
Textbook	Digital Signal Processing Fundamentals and Applications, Li Tan						
References	The scientist and engineer's guide to Digital Signal Processing, Steven W. Smith						
	Term Tests	Laboratory	Quizzes	Project	Final Exam		
Course Assessments	35	-	5	-	60		
General Notes	-						

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Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	4-10	Introduction to DSP		
2	11-10	Signal sampling and quantization		
3	18-10	Conversion from digital to analog		
4	25-10	Digital signals and system		
5	1-11	Exam		
6	8-11	Linear Time-Invariant, Causal Systems		
7	15-11	Signal manipulation		
8	22-11	Format of difference equation		
9	29-11	Digital Convolution		
10	6-12	Exam		
11	13-12	Methods of Convolution		
12	20-12	Fourier Transform		
13	27-12	Fourier Transform		
14	3-01	Digital filters		
15	10-01	Exam		

Instructor Signature:

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