



Flow up of implementation cell pass play

Course Instructor	Ass. Lecturer yahya Moammad				
E-mail	Yahya_1971@yahoo.com				
Title	Coding and Data Compression				
Course Coordinator					
Course Objective	Course aims to teach students basic techniques of coding and compression				
Course Description					
Textbook	David Salomon "Data Compression; the complete reference" 2 nd edition, Springer, 2000.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(30%)	As(20%)		-	As (50%)
General Notes					

Republic of Iraq

بسم الله الرحمن الرحيم

University: Diyala

College: Science

Department: Computer Sc.

Stage: First

Lecturer name: Yahya Mohmmad

Qualification: Ass.Lecturer

Place of Work: Diyala

university College: Science college

The Ministry of Higher Education &
Scientific Research



Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	1/10/2014	Basic Techniques		
2	8/10/2014	Run length encoding (RLE)		
3	15/10/2014	Move to front coding		
4	22/10/2014	Scalar quantization		
5	29/10/2014	Statistical Methods; Shannon-Fano coding		
6	5/11/2014	Huffman coding		
7	12/11/2014	GIF image coding		
8	19/11/2014	ZIP coding		
9	26/11/2014	Dictionary Methods		
10	3/12/2014	Image Compression; Vector quantization		
11	10/12/2014	Block matching, Iterative function system		
12	17/12/2014	Wavelet Methods; Filter banks		
13	24/12/2014	Multi-resolution based DWT		
14	31/12/2014	SPIHT		
15	7/1/2015	JPEG 2000		
16	15/1/2015	Video Compression; MPEG		

Instructor Signature:

Dean Signature: