

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective A Upon Rev
	14/2	Digital communication system	1	Black Board		
	15/2	wireless channel statistical models	"	"		
	19/2	BER performance in AWGN & fading channels	"	"		
	20/2	BER performance of CDMA, FH-CDMA in AWGN	"	"		
	21/2	Fading channels capacity of fading channels	"	"		
	22/2	diversity reception channel coding theorems	"	"		
	26/2	Channel coding gain	"	"		
	27/2	continued "	"	"		
				"		
	28/2	Galois fields, polynomials over Galois fields	2	"		
	1/3	RS codes, decoding techniques	"	"		
	5/3	LDPC encoder & decoder	"	"		
	6/3	Performance analysis of RS & LDPC codes	"	"		
	7/3	BCH codes	"	"		
	12/3	continued "	"	"		
	13/3	Linear convolution encoders	3	"		
	14/3	structural properties of	"	"		
	15/3	convolutional codes	"	"		
	19/3	Contd. -	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
	20/3	Viterbi decoding technique	4	Block Board		
	21/3	Soft/hard decision	"	"		
	22/3	concatenation of block codes &	"	"		
	26/3	convolution codes	"	"		
		Performance analysis	"	"		
		concept of trellis coded modulation	"	"		
		continued	"	"		
				"		
		Parallel concatenation	5	"		
		Turbo encoder	"	"		
		Iterative decoding using BCJR algorithm	"	"		
		Performance analysis	"	"		
		continued	"	"		
		MIMO systems MIMO fading channel	6	"		
		Rate gain, diversity gain	"	"		
		transmit diversity	"	"		
		Alamouti scheme OSTBC codes	"	"		
		Linear space-time codes	"	"		
		Trellis space-time codes	"	"		

## LESSON PLAN

[illegible]