

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	29/12/16	Introduction of matrices	2	CE		
4	31/12/16	Rank of matrices, echelon				
4	4/1/16	normal form				
5	6/1/16	PAQ form				
6	6/1/16	Introduction of solution sets				
1	7/1/16	Gauss elimination method				
4	11/1/16	Gauss Jordan method				
4	18/1/16	Gauss Seidel method				
5	20/1/16	Homogeneous system of eqns				
7	22/1/16	Solved problems				
8	22/1/16	eigenvalues & eigenvectors	8			
4	25/1/16	Properties of eigenvalues				
5	27/1/16	properties of eigenvectors				
7	29/1/16	Caley Hamilton theorem				
8	29/1/16	Inverse of powers of A				
8	1/2/16	Quadratic form rank, index, signature, nature				
5	3/2/16	Reduction to D.F to Canonical form				
7	5/2/16	Canonical form diagonalisation				
8	5/2/16	"				
4	8/2/16	Canonical form by orthogonalisation				

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5	10/2/16	Products into Canonical form by orthogonal rotations	II	CE		
7	12/2/16	Lagrange's method				
8	12/2/16	Power series, determination of Fourier Coefficients	III			
4	15/2/16	F.S in the interval $[c, c+2a]$				
5	17/2/16	F.S of even & odd functions				
7	19/2/16	Half range sine & cosine Series				
8	19/2/16	F.S in any arbitrary interval				
4	22/2/16	even and odd functions half range sine & cosine series.				
	24/2/16	Poisson integral theorem Fourier sine and cosine integrals.				
	26/2/16	Solved problems on Fourier Transform				
	26/2/16	properties of F.T Inverse Transform				
	1/3/16	Poisson sine and cosine transform, inverse				
	3/3/16	Finite Fourier transform				
	5/3/16	Solved problems				
	5/3/16	Z-Transform, properties	IV			
	8/3/16	Damping rule, shifting rule				
	10/3/16	Solved problems on Z-transform				
	12/3/16	Initial value theorem				
	12/3/16	Final value theorem				
	16/3/16	Solved problems				

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	18/3/16	Inverse z-transform	IV	C.R.		
	20/3/16	z ⁻¹ by partial fraction				
	20/3/16	Convolution theorem				
	23/3/16	Solution of DE by z-transforms				
	25/3/16					
	27/3/16	Beta function and properties	V			
	27/3/16	Gamma function and properties				
	30/3/16	Relation $\Gamma(x)$ & $\Gamma(x+1)$				
	2/4/16	Recurrence relations and formulae				
	4/4/16	Evaluation of improper integrals by B.P. property				
	6/4/16					
	6/4/16	Evaluation of integrals				
	9/4/16					
	11/4/16	Solved problems				
	13/4/16	Review of unit Solving the problems				
	13/4/16	Review of unit Solving the problems				
	17/4/16	Review of unit I				
	19/4/16	Review of unit II				
	21/4/16	Review of unit III				
	24/4/16	Review of unit IV				

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	26/1/16	Review unit 2				
		Review				
		Review ✓				