

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	18/10	Introduction of D.E's types of D.E's, order, degree	I	CR		
2	19/10	Formation of D.E	"	"		
5	21/10	Exact D.E - procedure	"	"		
4	22/10	problems on Exact d.e	"	"		
4	23/10	problems on non-exact d.e.	"	"		
1	25/10	problems on linear DE	"	"		
2	26/10	problems on Bernoulli's equation	"	"		
5	28/10	problems on orthogonal trajectories	"	"		
4	29/10	problems on Newton's law of cooling	"	"		
4	30/10	problems on Newton's law of cooling	"	"		
1	1/11	problems on Natural growth & decay	"	"		
2	2/11	Linear D.E's of higher order symbolic form, Notation	II	"		
5	4/11	Rules to find C.F when $f(x)=0$	"	"		
4	5/11	P.I of type e^{ax}	"	"		
4	6/11	P.I of type $\sin ax$	"	"		
1	8/11	P.I of type $\cos ax$	"	"		
2	9/11	P.I of type polynomials	"	"		
1	15/11	P.I of type $v(x)$	"	"		
2	16/11	P.I of type $xv(x)$	"	"		
5	18/11	problem on method of variation of parameter	"	"		

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4	19/11	problems on method of variation of parameters	"	"		
4	20/11	Application of higher order I.D.E's (LCR circuit)	"	"		
1	22/11	Simple Harmonic motion	"	"		
2	23/11	P.I of type $x^m \phi(x)$	"	"		
5	25/11	functions of several variables Total derivative, chain Rule	III	CR		
4	26/11	problems on chain Rule Total derivative	"	"		
4	27/11	Jacobian, functionally dependent	"	"		
1	29/11	General m.v theorems Taylor's series	"	"		
2	30/11	McLaurin's series	"	"		
5	2/12	Maxima, minima procedure	"	"		
4	3/12	problems on maxima minima	"	"		
4	4/12	Maxima, minima with constraint	"	"		
1	6/12	maxima, minima without constraint	"	"		
2	7/12	problems on maxima & minima	"	"		
5	9/12	single integrals - problem	IV	"		
4	10/12	finding lengths	"	"		
4	11/12	Surface area, volumes by single integrals	"	"		
1	13/12	evaluation of Double integrals	"	"		
2	14/12	evaluation of double integrals	"	"		
5	16/12	evaluation of triple integrals	"	"		

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4	17/12	evolution of double integrals by change of variables	"	CR		
4	18/12	change of variables	"	"		
5	23/12	change of order of integration	"	"		
4	24/12	change of order of integration	"	"		
1	27/12	surface area, volumes by revolution in cartesian	"	"		
2	28/12	polar form Application of multiple integrals	"	"		
5	30/12	introduction to vector derivation, scalars	V	"		
4	31/12	gradient, divergence, curl - problems	"	"		
5	1/1/14	angle b/w planes	"	"		
1	3/1	Directional derivatives	"	"		
2	4/1	vector identities	"	"		
5	6/1	2nd order operations Laplace operators	"	"		
4	7/1	work done line integrals potential function	"	"		
1	10/1	Surface areas	"	"		
2	11/1	volume integrals	"	"		
1	17/1	Green's theorem - problem	"	"		
2	18/1	Gauss Divergence theorem problem	"	"		
5	20/1	Stokes th. - problems	"	"		
4	21/1	problems on vector integral theorems	"	"		
4	22/1	Revision class	"	"		

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[illegible]