LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	7/10/14	Introduction of D.E - Types order. degree	I	CR		
2	8/10	Formation of D.E	''	''		
3	9/10	Exact D.E - procedure problems	''	''		
4	13/10	Exact D.E problems	''	''		
5	13/10	Integrating factor method 1	''	''		
6	14/10	I.F method 2	''	''		
7	15/10	Integrating factor method 3 & 4	''	''		
8	16/10	linear D.E's - problems	''	''		
9	20/10	Non-linear D.E Bernoulli's equation	''	''		
10	20/10	O T in xy-plane	''	''		
11	21/10	O.T's in polar form	''	''		
12	22/10	Newton's law of cooling	''	''		
13	27/10	Natural growth (or) Decay	''	''		
14	27/10	problems on application of D.E's	''	''		
15	28/10	operator form of nth order L.D.E, general solution	II	''		
16	29/10	C.F of $f(D)y=0$ Rules problems	''	''		
17	30/10	P.I of type $\frac{1}{f(D)} Q(x)$	''	''		
18	3/11	P.I of type $\frac{1}{f(D)} e^{ax}$	''	''		
19	3/11	P.I of type $\frac{1}{f(D)} \cos ax$	''	''		
20	5/11	P.I of type $\frac{1}{f(D)} \sin ax$	''	''		
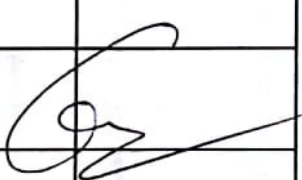
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21	6/11	P.I of type $\frac{1}{f(D)} x^n$	II	CR		
22	10/11	P.I of type $\frac{1}{f(D)} e^{ax} \cdot r(x)$	"	"		
23	11/11	P.I of Type $\frac{1}{f(D)} x \cdot r(x)$	"	"		
24	12/11	P.I of Type $\frac{1}{f(D)} x^n \, r(x)$	"	"		
25	13/11	method of variation of parameters	"	"		
26	17/11	method of variation of parameters	"	"		
27	17/11	Application of CR circuit	"	"		
28	18/11	Simple Harmonic motion	"	"		
29	19/11	Introduction - partial Derivative - Total derivative	III	"		
30	20/11	chain - Rule problems	"	"		
31	24/11	mean value theorems Rolle's theorem	"	"		
32	24/11	Lagrange's, chachy's mean value theorem	"	"		
33	25/11	Taylor's Series	"	"		
34	26/11	Maclaurin's series	"	"		
35	27/11	Jacobian - properties	"	"		
36	1/12	Functional dependence	"	"		
37	1/12	Maximum . minimums procedure	"	"		
38	2/12	max. & m'n with constraint	"	"		
39	3/12	max., & min. with out constraints - procedure	"	"		
40	4/12	max., min - problems	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
41	8/12	Max, min with & without constraints – problems	III	CR		
42	8/12	Evaluation of Double & Triple integrals	IV	"		
43	9/12	Applications – lengths	"	"		
44	10/12	volumes & surface area in xy-plane	"	"		
45	11/12	volumes & surface area in polar form	"	"		
46	15/12	Double integrals – changed variables	"	"		
47	15/12	Double integrals – change of variables	"	"		
48	16/12	Double integrals – changed orders of integration xy-plane	"	"		
49	17/12	changed orders of integration in polar form	"	"		
50	18/12	changed orders of integration	"	"		
51	22/12	Triple integrals in xy-plane	"	"		
52	22/12	Triple integrals in spherical coordinates	"	"		
53	23/12	Triple integrals – change of variables	"	"		
54	24/12	Moment of Inertia	"	"		
55	29/12	vector Derivatives, gradient Divergence, curl	V	"		
56	29/12	laplacian second order operator	"	"		
57	30/12	vector identities (theorems)	"	"		
58	31/12	properties – Solenoidal – irrotational vectors	"	"		
59	1/1/15	vector integration – line – work done	"	"		
60	5/1/15	potential functions areas using vector integration	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
61	5\1	problems on surface area - volumes	V	e R		
62	6\1	Greens theorem problem	"	"		
63	7\1	Greens theorem problem	"	"		
64	8\1	Stokes theorem - problem	V	"		
65	19\1	Stokes theorem - problem	"	"		
66	19\1	Gauss Divergence theorem problem	"	"		
67	20\1	Gauss Divergence theorem problem	"	"		
68	21\1	Revision class				