LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	4/8/15	overview of subject	I			
2	4/8	Applications	"			
3	6/8	Set definitions	"			
4	7/8	Probability through sets. random Experiment	"			
5	11/8	Axioms.	"			
6	11/8	Addition theorem Probability	"			
7	13/8	Total Probability	"			
8	14/8	Sample space. Discrete, Continuous, Examples.	"			
9	18/8	Bayes's theorem.	"			
10	18/8	Problems	"			
11	20/8	Problems	"			
12	21/8	Problems	"			
13	25/8	R.V definitions.	II			
14	25/8	Discrete, Continuous & mixed RVs.	"			
15	27/8	Properties of distribution function.	"			
16	28/8	Gaussian RV Uniform RV	"			
17	1/9	Exponential RV Rayleigh RV	"			
18	1/9	Binomial RV Poisson RV	"			
19	3/9	operations on RV moments about origin, mean	"			
20	4/9	Chebyshev inequality	"			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
21	8/9	Markov property/	4			
22	8/9	Markovian Transformation Non-Markovian	4			
23	10/9	Problems	4			
24	11/9	problems	4			
25	15/9	problems.	4			
26	15/9	multiple RVs.	III			
27	17/9	Joint distribution & density.	4			
28	18/9	properties.	4			
29	22/9	marginal distribution functions.	4			
30	22/9	Conditional density.	4			
31	24/9	Statistical independence sum of two RVs.	4			
32	25/9	Central limit theorem. (Equal & unequal)	4			
33	29/9	operations on multiple RVs.	4			
34	29/9	moments & Joint moments	4			
35	1/10	Central moments	4			
36	2/10	Joint characteristic function.	4			
37	6/10	problems	4			
38	6/10	problems	4			
39	8/10	problems	4			
40	9/10	problems	4			

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41	13/10	gaussian R.V 2 dN variable.	IV			
42	13/10	Transformations of R.Vs.	4			
43	15/10	Linear Transformation of gaussian R.V	4			
44	16/10	Random process Concepts.	4			
45	20/10	Stationary & Statistical Independence	4			
46	20/10	1st & 2nd order wide sense, strict sense stationary	4			
47	22/10	Time average & Ergodicity	4			
48	23/10	mean & Expectations. Ergodic process.	4			
49	27/10	Auto correlation & its properties.	4			
50	27/10	Covariance function.	4			
51	29/10	Gaussian & Poisson Random process.	4			
52	30/10	Random response of linear systems.	V			
53	3/11	mean & mean Square Value of System response	11			
54	3/11	Acf of response & cross correlation of I/Ps	6			
55	5/11	Spectral characteristics	4			
56	6/11	Power density Spectrum Cross power density Spectrum.	4			
57	10/11	BP, BL Ideal & Narrow band process.	4			
58	10/11	problems	4			
59	12/11	problems	4			
60	13/11	problems	4			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
61	17/11	Modeling of noise sources resistive arbitrary noise	V			
62	17/11	effective noise temperature and noise figure	II			
63	19/11	avg noise figures of cascade networks	II			
64	20/11					
65	24/11					
66	24/11					
67	26/11					
68	27/11					
						30/11/19