

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	2/7/12	Probability - Introduction	I	C.R.		
2	3/7/12	Sample Space and Events other definitions	"	"		
3	4/7/12	Probability - Formula, problems.	"	"		
4	6/7/12	Problems	"	"		
5	7/7/12	The axioms of probability	"	"		
6	9/7/12	Some elementary theorems	"	"		
7	10/7/12	Conditional probability	"	"		
8	11/7/12	Problems	"	"		
9	13/7/12	Bayes's theorem - proof	"	"		
10	16/7/12	Problems	"	"		
11	17/7/12	Problems	"	"		
12	18/7/12	Random variables - defn.	II	C.R.		
13	20/7/12	Discrete & Continuous distribn.	"	"		
14	21/7/12	Problems	"	"		
15	23/7/12	Probability mass function and Cumulative distribn. function:	"	"		
16	24/7/12	for discrete r.v.	"	"		
17	25/7/12	for continuous r.v.	"	"		
18	27/7/12	Problems	"	"		
19	28/7/12	Expectation, mean, variance, S.D. of r.v. (both discrete & con.)	"	"		
20	30/7/12	Problems	"	"		

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21	3/7/12	Binomial distribution - proper	III	C.R		
22	1/8	Properties & problems	"	"		
23	3/8	Poissons distribution	"	"		
24	4/8	Properties & problems	"	"		
25	6/8	Normal distribution	"	"		
26	7/8	Properties & problems	"	"		
27	8/8	Problems	"	"		
28	10/8	Moment generating function and moments	"	"		
29	11/8	Problems	"	"		
30	13/8	Population Samples, Sampling distribution of mean	IV	C.R		
31	14/8	Sampling distribution of proportions & variance	"	"		
32	17/8	Sampling distribution of sums & differences	"	"		
33	18/8	Problems	"	"		
34	21/8	Point & interval Estimators for means, variances	"	"		
35	22/8	Problems	"	"		
36	24/8	Problems	"	"		
37	24/8	Problems	"	"		
38	25/8	Problems	"	"		
Mid						
39	23/9	Null and Alternate hypothesis, Type-I, II errors	V	Power point pres		
40	24/9	one tail, two tail tests - Calculations	"	"		

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41	5/9	Testing of hypothesis concerning means,	V	Power point pr.		
42	7/9	proportions, their difference problems.	"	"		
43	8/9	Problems on z-test.	"	C.R		
44	10/9	Problems.	"	"		
45	11/9	Problems.	"	"		
46	12/9	Testing of hypothesis using students t-test.	VI	"		
47	14/9	F-test, $\chi^2$ -test.	"	"		
48	15/9	Problems.	"	"		
49	17/9	Problems.	"	"		
50	18/9	Test of independence of attributes - <del>ANOVA</del> .	"	"		
51	21/9	ANOVA one way	"	"		
52	22/9	Problems.	"	"		
53	24/9	ANOVA two way	"	"		
54	25/9	Problems.	"	"		
55	26/9	Problems.	"	"		
56	28/9	Statistical Quality Control methods.	VII	"		
57	29/9	Methods for preparing Control charts.	"	"		
58	1/10	$\bar{X}$ -bar, p, R - charts. problems.	"	"		
59	3/10	Attribute charts	"	"		
60	5/10	Problems.	"	"		

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61	6/10	Correlation and regression, properties	<u>VII</u>	CR		
62	8/10	Problems	"	"		
63	9/10	Problems	"	"		
64	10/10	Queuing theory concept	<u>VIII</u>	"		
65	12/10	Pure birth & death process	"	"		
66	15/10	M/M/I model	"	"		
67	16/10	Problems	"	"		
68	17/10	Problems	"	"		
69	18/10	M/M/s model	"	"		
70	19/10	Problems	"	"		
71	20/10	"	"	"		
72	<sup>23</sup> <del>20</del> /10	"	"	"		
73	25/10	"	"	"		
74	26/10	"	"	"		

