

Class schedule for M.F.Sc. First Semester

STAT-511 Experimental Design 3 (2+1)

Theory

Sl. No.	Title of the theory classes	No. of Classes	Name of Instructor
1	Introduction to experimental design	1	RAVI SHANKAR KUMAR
2	Need for designing of experiments, characteristics of a good design	1	RAVI SHANKAR KUMAR
3	Basic principles of designs- randomization, replication and local control.	1	RAVI SHANKAR KUMAR
4	Uniformity trials, size and shape of plots and blocks	2	RAVI SHANKAR KUMAR
5	Analysis of variance	2	RAVI SHANKAR KUMAR
6	Completely randomized design, randomized block design and Latin square design.	3	RAVI SHANKAR KUMAR
7	Factorial experiments, (symmetrical as well as asymmetrical)	2	RAVI SHANKAR KUMAR
8	orthogonality and partitioning of degrees of freedom	1	RAVI SHANKAR KUMAR
9	Concept of confounding	1	RAVI SHANKAR KUMAR
10	Split plot and strip plot designs	2	RAVI SHANKAR KUMAR
11	analysis of covariance and missing plot techniques in randomized block and Latin square designs;	4	RAVI SHANKAR KUMAR
12	Transformations	1	RAVI SHANKAR KUMAR
13	Balanced Incomplete Block Design	1	RAVI SHANKAR KUMAR
14	resolvable designs and their applications	1	RAVI SHANKAR KUMAR
15	Lattice design	1	RAVI SHANKAR KUMAR
16	alpha design - concepts, randomization procedure, analysis and interpretation of results	4	RAVI SHANKAR KUMAR
17	Response surfaces	2	RAVI SHANKAR KUMAR
18	Combined analysis	2	RAVI SHANKAR KUMAR
Total No. of Theory Classes		32	

Practical

Sl. No.	Topic to be taught	No. of Classes	Name of Instructor
1	Uniformity trials data analysis	2	RAVI SHANKAR KUMAR
2	Formation of plots and blocks	2	RAVI SHANKAR KUMAR
3	Fairfield Smith Law	2	RAVI SHANKAR KUMAR
4	Analysis of data obtained from CRD, RBD, LSD	3	RAVI SHANKAR KUMAR
5	Analysis of factorial experiments	2	RAVI SHANKAR KUMAR
6	Analysis with missing data	2	RAVI SHANKAR KUMAR
7	Split plot and strip plot designs	3	RAVI SHANKAR KUMAR
Total No. of Practical classes		16	

Submitted by



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