

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Statistics

Departmental Teaching and Evaluation Scheme

Two - Years PG Programme

Department/Subject Specific Core or Major (DSC)

(as per NEP-2020 Guidelines)

Applied Statistics

M. Sc. I: Semester-I & II

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-I										
1	DSC-I	DSC18STA11	Distribution Theory	4	-	80	20	-	100	4
2	DSC-II	DSC18STA12	Estimation Theory	4	-	80	20	-	100	4
3	DSC-III	DSC18STA13	Statistical Computing	2	-	40	10	-	50	2
4	DSE-I	DSE18STA11	C Programming	4	-	80	20	-	100	4
		DSE18STA12	Statistical Analysis Using SPSS							
5	RMD	RMD18STA11	Research Methodology	4	-	80	20	-	100	4
6	DSC-PR-I	DSC18STA19	Statistics Practical I		12	-	-	100	100	4
Semester –I Total				18	12	360	90	100	550	22
Semester-II										
1	DSC-IV	DSC18STA21	Linear model and Regression Analysis	4	-	80	20	-	100	4
2	DSC-V	DSC18STA22	Theory of Testing of Hypothesis	4	-	80	20	-	100	4
3	DSC-VI	DSC18STA23	Multivariate Analysis	2	-	40	10	-	50	2
4	DSE-II	DSE18STA21	DBMS	4	-	80	20	-	100	4
		DSE18STA22	Statistical Analysis Using Minitab							
5	FPR	FPR18STA21	Field Project	-	4	-	-	100	100	4
	OJT	OJT18STA21	On Job Training							
6	DSC-PR-II	DSC18STA29	Statistics Practical II	-	12	-	-	100	100	4
Semester –II Total				14	16	280	70	200	550	22
Total (Sem. I & II)				32	28	640	160	300	1100	44

Department of Statistics
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Applied Statistics
M. Sc. I: Semester-III & IV

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-III										
1	DSC-VII	DSC18STA31	Stochastic Processes	4	-	80	20	-	100	4
2	DSC-VIII	DSC18STA32	Statistical Learning and Data Mining	4	-	80	20	-	100	4
3	DSC-IX	DSC18STA33	Python Programming	2	-	40	10	-	50	2
4	DSE-III	DSE18STA31	Biostatistics	4	-	80	20	-	100	4
		DSE18STA32	Statistical Quality Control							
5	RPR-I	RPR18STA31	Research Project	-	4	-	-	100	100	4
6	DSC-PR-III	DSC18STA39	Statistics Practical III	-	12	-	-	100	100	4
Semester –III Total				14	16	280	70	200	550	22
Semester-IV										
1	DSC-X	DSC18STA41	Time Series Analysis	4	-	80	20	-	100	4
2	DSC-XI	DSC18STA42	Design and Analysis of Experiments	4	-	80	20	-	100	4
3	DSE-IV	DSE18STA41	Optimization Techniques	4	-	80	20	-	100	4
		DSE18STA42	Python for Data science							
4	RPR-II	RPR18STA41	Research Project	-	6	-	-	150	150	6
5	DSC-PR-IV	DSC18STA49	Statistics Practical IV	-	12	-	-	100	100	4
Semester –IV Total				12	18	240	60	250	550	22
Total (Sem III& IV)				26	34	520	130	450	1100	44

Abbreviations: TH-Theory, PR-Practical, PRO- Project, ESE- End Semester Examination, CIE-Continuous Internal Examination

Note:

1. Passing percentage will be 40%
2. Separate passing for each Head - ESE, CIE and Practicals.