

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous),
Shivajinagar, Pune 5

(An Autonomous College Affiliated to Savitribai Phule Pune University)

Framework of Syllabus

For

B. Sc. (Statistics)

Choice Based Credit System (CBCS) Syllabus

Under National Education Policy (NEP)

To be implemented from Academic Year 2024-2025

Level:- 4.5 (First Year)**Sem:I**

Course Type	Course Code	Course Title	Credits		Teaching Scheme Hr/Week		Evaluation Scheme and Max Marks		
			TH	PR	TH	PR	CE	ESE	Total
Subject 1 T(2)+ (T/P) (2) or T(4)	24ScStaU1101	Descriptive Statistics	2		2		20	30	50
	24ScStaU1102	Lab Course on 24ScStaU1101		2		4	20	30	50
Subject 2 T(2)+ (T/P) (2) or T(4)	24ScStaU1201	<<Subject 2 Theory>>	2		2		20	30	50
	24ScStaU1202	<<Subject 2 Practical>>		2		4	20	30	50
Subject 3 T(2)+ (T/P) (2) or T(4)	24ScStaU1301	<<Subject 3 Theory>>	2		2		20	30	50
	24ScStaU1302	<<Subject 3 Practical>>		2		4	20	30	50
IKS T(2)	24CpCopU1901	Generic IKS	2		2		20	30	50
GE/OE (T/P) (2)	24ScStaU1401	Fundamentals of Statistics I	2		2		20	30	50
SEC (P) (2)	24ScStaU1601	Lab Course on Data Analysis Using MS-EXCEL	2		2		20	30	50
AEC T(2)	24CpCopU1701 / 24CpCopU1702	MIL-I (Hindi) / MIL-I (Marathi)	2		2		20	30	50
VECT (2)	24CpCopU1801	Environment Science	2		2		20	30	50
Total			16	06	16	06			550

Level:- 4.5 (First Year)**Sem:II**

Course Type	Course Code	Course Title	Credits		Teaching Scheme Hr/Week		Evaluation Scheme and Max Marks		
			TH	PR	TH	PR	CE	ESE	Total
Subject 1 T(2)+ T/P(2) or T(4)	24ScStaU2101	Discrete Probability Distributions	2		2		20	30	50
	24ScStaU2102	Lab Course on 24ScStaU2101		2		4	20	30	50
Subject 2 T(2)+ P(2)	24Sc***U2201	<<Subject 2 Theory>>	2		2		20	30	50
	24Sc***U2302	<<Subject 2 Practical>>		2		4	20	30	50
Subject 3 T(2)+ P(2)	24Sc***U2301	<<Subject 3 Theory>>	2		2		20	30	50
	24Sc***U2302	<<Subject 3 Practical>>		2		4	20	30	50
GE/OE (T/P)(2)	24ScStaU2401	Fundamentals of Statistics II	2		2		20	30	50
SEC P(2)	24ScStaU2601	Lab Course on MS-EXCEL for Discrete Probability Models		2		4	20	30	50
AEC T(2)	24CpCopU2703	English Communication Skills I	2		2		20	30	50
VEC T(2)	24CpCopU2801	Democracy, Election and Governance	2		2		20	30	50

CC(2)	24CpCopU2001/ 24CpCopU2011 / 24CpCopU2021 / 24CpCopU2031 / 24CpCopU2041 / 24CpCopU2051 / 24CpCopU2061 / 24CpCopU2071	Physical Education / Cultural Activities / NSS / NCC / Fine Arts / Applied Arts / Visual Arts / Performing Arts	2		2		20	30	50
Total			14	08	14	16			550

Level:- 5.0 (Second Year) Sem:III

Course Type	Course Code	Course Title	Credits		Teaching Scheme Hr/Week		Evaluation Scheme and Max Marks		
			TH	PR	TH	PR	CE	EE	Total
Major Core T(2+2 or 4), (T/P)(2)	24ScStaU3101	Discrete Probability Distributions and Time Series Analysis	4		4		20	30	50
	24ScStaU3102	Lab Course on 24ScStaU3101	2		2		20	30	50
VSC P(2)	24ScStaU3501	Statistics using R Software I		2		4	20	30	50
IKS (T/P)(2)	24ScStaU3901	Indian Official Statistics	2		2		20	30	50
FP P(2)	24ScStaU3002	Field Project I		2		4	20	30	50
Minor (T/P)(2+2 or 4)	24ScStaU3301	Standard Continuous Probability Distributions		2		4	20	30	50
	24ScStaU3302	Lab Course on 24ScStaU3301		2		4	20	30	50
GE/OE (T/P)(2)	24ScStaU3401	Applied Statistics I	2		2		20	30	50
AEC T(2)	24CpCopU3703	English Communication Skills II	2		2		20	30	50
CC T(2)	24CpCopU3001	Online Course on Yoga	2		2		20	30	50
Total			14	08	14	16			550

Level:- 5.0 (Second Year) Sem:IV

Course Type	Course Code	Course Title	Credits		Teaching Scheme Hr/Week		Evaluation Scheme and Max Marks		
			TH	PR	TH	PR	CE	EE	Total
Major Core T(2+2 or 4), (T/P)(2)	24ScStaU4101	Continuous Probability Distributions	4		4		20	30	50
	24ScStaU4102	Lab Course on 24ScStaU4101		2		4	20	30	50
VSC P(2)	24ScStaU4501	Statistics Using R Software II		2		4	20	30	50
CEP P(2)	24CpCopU4003	Community Engagement Project		2		4	20	30	50
Minor (T/P)(2+2 or 4)	24ScStaU4301	Testing of hypotheses	2		2		20	30	50
	24ScStaU4302	Lab Course on 24ScStaU4301		2		4	20	30	50
GE/OE (T/P)(2)	24ScStaU4401	Applied Statistics II	2		2		20	30	50

Level:- 5.5 (Third Year) Sem:-V

Level:- 5.5 (Third Year) Sem:-VI

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	24ScStaU6203	Medical Statitics	2		2		20	30	50
	24ScStaU6204	Lab Course on 24ScStaU6203		2		4	20	30	50
VSC P(2)	24ScStaU6501	Lab Course on Operations Research		2		4	20	30	50
OJT (2)	24ScStaU6004	On Job Training		4		8	40	60	100
Total			14	12	14	24			550