

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

(An Autonomous College Affiliated to Savitribai Phule Pune University)

Framework of Syllabus

For B.Sc. Statistics

(2019-20 Course)

(with effect from 2019-20)

Semester 1 (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU101	Descriptive Statistics-I	3	2	40	60	100
CCT-2	19ScStaU102	Discrete probability distributions-I	3	2	40	60	100
CCP-1	19ScStaU103	Statistics Practical – I	4	2	40	60	100
Total				6			

Semester II (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU201	Descriptive Statistics-II	3	2	40	60	100
CCT-2	19ScStaU202	Discrete Probability Distribution-II	3	2	40	60	100
CCP-1	19ScStaU203	Statistics Practical –II	-	2	40	60	100
Total				6			

Semester III (Second Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU301	Discrete Probability Distributions and Time Series	4	2.5	40	60	100
CCT-2	19ScStaU302	Continuous Probability Distributions	4	2.5	40	60	100
CCP-1	19ScStaU303	Statistics Practical Paper - I	4	2	40	60	100
Total				7			

Semester IV (Third Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU401	Tests of Significance and Statistics Methods	4	2.5	40	60	100
CCT-2	19ScStaU402	Sampling Distributions and Inference	4	2.5	40	60	100
CCP-1	19ScStaU403	Statistics Practical Paper II	4	2	40	60	100
Total				7			

Semester V (Third Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU501	Distribution theory	4	2.5	40	60	100
CCT-2	19ScStaU502	Theory of Estimation	4	2.5	40	60	100
CCP-1	19ScStaU503	Statistics Practical Paper 1	4	2	40	60	100
CCP-2	19ScStaU504	Statistics Practical Paper 2	4	2	40	60	100
CCP-3	19ScStaU505	Statistics Practical Paper 3	4	2	40	60	100
AEC-1	19ScStaU506	Design of Experiment	4	2.5	40	60	100
AEC-1	19ScStaU507	Regression Analysis	4	2.5	40	60	100
DSET (applied)	19ScStaU508	Reliability and survival analysis/Stochastic process	4	2.5	40	60	100
SECT-1	19ScStaU509	C programming	4	2.5	40	60	100
Total				21			

Semester VI (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem	Total
CCT-1	19ScStaU601	Testing of Hypotheses	4	2.5	40	60	100
CCP-1	19ScStaU602	Statistics Practical Paper 1	4	2	40	60	100
CCP-2	19ScStaU603	Statistics Practical Paper 2	4	2	40	60	100
CCP-3	19ScStaU604	Statistics Practical Paper 3	4	2	40	60	100
AEC-1	19ScStaU605	Statistical Quality control	4	2.5	40	60	100
AEC-1	19ScStaU606	Operations Research	4	2.5	40	60	100
AEC-1	19ScStaU607	Sampling Methods	4	2.5	40	60	100
DSET-1 (applied)	19ScStaU608	Actuarial Statistics /Econometrics	4	2.5	40	60	100
DSET-1 (skill)	19ScStaU609	R programming/ Python programming	4	2.5	40	60	100
Total				21			