MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR
DEPARTMENT OF MATHEMATICS AND STATISTICS

Bachelor of Science/ Arts (B.Sc./B.A.) 2023-24

FACULTY: SCIENCE

SUBJECT: STATISTICS

Proposed Statistics Courses for CBCS in 3 year B.Sc. Program: Semester wise types, Codes, Titles, Delivery type, Workload, Credits of the courses, Marks of Examination, and Remarks.

Level	Semester	Course Type	Course Code	Title	Delivery Type			Total Hours	Credit	Total Credit	Internal Assessment	EoS Exam	M.M.	Remarks
					L	T	P							
5	I	DCC	STA5000T	Statistics-I: Descriptive Statistics	L	-	-	60	4	6	20	80	100	---
			STA5000P	Statistics Lab-I: Practical based on STA5000T	-	-	P	60	2		20	80	100	
	II	DCC	STA5001T	Statistics-II: Probability Theory	L	-	-	60	4	6	20	80	100	---
			STA5001P	Statistics Lab -II: Practical based on STA5001T	-	-	P	60	2		20	80	100	
				Exit with Certificate in Science (After 4 more credits in SEC)										
6	III	DCC	STA6002T	Statistics-III: Probability Distributions & Sampling Distributions	L	-	-	60	4	6	20	80	100	---
			STA6002P	Statistics Lab -III: Practical based on STA6002T	-	-	P	60	2		20	80	100	
	IV	DCC	STA6003T	Statistics-IV: Design of Experiments & Vital Statistics	L	-	-	60	4	6	20	80	100	---
			STA6003P	Statistics Lab -IV: Practical based on STA6003T	-	-	P	60	2		20	80	100	
		SEC	SES6366T	Time Series & Index Number	L	-	-	30	2	2	20	80	100	---
				Exit with Diploma in Science										

Level	Semester	Course Type	Course Code	Title	Delivery Type L	T	P	Total Hours	Credit	Total Credit	Internal Assessment	EoS Exam	M.M.	Remarks
				Select anyone of the following Discipline Specific Elective (DSE) Courses in V and VI semester										
7	V	DSE I	STA7100T	Statistical Inference	L	-	-	60	4	6	20	80	100	---
			STA7100P	Elective Statistics Lab-I: Practical based on STA7100T	-	-	P	60	2		20	80	100	
		DSE II	STA7101T	Statistical Quality Control & Linear Programming Problems	L	-	-	60	4	6	20	80	100	---
			STA7101P	Elective Statistics Lab–II: Practical based on STA7101T	-	-	P	60	2		20	80	100	
		SEC	SES7367T	Theory of Sample Surveys	L	-	-	30	2	2	20	80	100	---
7	VI	DSE I	STA7102S	Project Work with Introduction of R Software	-	-	S	120	4+2	6	20	80	100	Presentation, submission and viva-voce
		DSE II	STA7103T	Numerical Analysis with C - Programming	L	-	P	60+60	4+2	6	20	80	100	---
		SEC	SES7368P	Data Analysis using SPSS	-	-	P	60	2	2	20	80	100	---
				Exit with Graduation Degree in Science (B.Sc.)										

DCC- Discipline Centric Compulsory Course

(STA5000T/P, STA5001T/P, STA6002T/P, STA6003T/P)

DSE- Discipline Specific Elective Course

(STA7100T/P, STA7101T/P, STA7102S, STA7103T/P)

SEC- Skill Enhancement Course

(SES6366T, SES7367T, SES7368P)

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

B.Sc. (Three Years Degree Program)

Subject: STATISTICS

End of Semester (EoS) Examination pattern of Theory Papers:

As proposed in the academic council held on 26-06-2023.

Internal Examination

Duration: 1 hour   Max. Marks: 20   Min Marks: 08

1. The maximum marks of each paper shall be 20. The minimum passing marks shall be 8. In all papers except "Project" it will consists of two parts; a test (10 marks) and an internal assessment (10 marks).

2. The format or pattern of the test can be decided by the department.

3. The internal assessment shall be of maximum marks 10. This part shall be based on the performance of students in the assignments/ seminars/quiz etc. In case of assignments, the teacher will give at least five assignments distributed over the entire course contents. These will be submitted by the students to the teacher for evaluation and submit awards. In Laboratory/Practical papers internal assessment shall be done by checking the record of practical or organizing a quiz during classes or may academically rationale method decided by the department.

4. In the paper entitled "Project", student will submit a report on the progress of the work done during the semester to the Head. The report will be routed through the Mentor with his grading who will also award the internal marks of the "Project".

5. Students have to independently pass in the internal examination of each paper.

6. The marks awarded in the internal examination shall not be count to calculate and award the final score, the SGPA and the CGPA.

MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

B.Sc. (Three Years Degree Program)

Subject: STATISTICS

End of Semester (EoS) Examination pattern of Practical Exam.:

Duration: 3 hour   Max. Marks: 80   Min Marks: 32

Syllabus:

The students have to perform at least 10 practicals from the given list in the entire semester. The faculty may add practicals in the list which should be closely connected and attached with the theme of the course. The format of practical should be in the following form of sequence:

(i)   The practical problem along with all data inputs are written under the theme namely "Objective".

(ii)   All formulae which are to be used, are identified and written under the theme namely "Formulae used".

(iii)   The Statistical tabulation and calculation are to be made on the basis of MS –Excel and other statistical software.

(iv)   The results and conclusions are to be made on the basis of tabulations and calculation performed above.

Scheme of EoSE:

The examination shall be of Three hours where in the students have to perform any three practicals. The marks distribution shall be the following.

1. Three Practicals : 45 Marks (15+15+15)
2. Viva-Voce: 20 Marks
3. Evaluation of the record book of practicals performed in the semester : 15 Marks