



SISTER NIVEDITA UNIVERSITY

SYLLABUS

FOR

TWO YEARS M.Sc (DEGREE) COURSE

IN

STATISTICS (MASTERS)

UNDER

UGC-CBCS SYSTEM

2021

Sister Nivedita University

M.Sc. Statistics Course Structure

Category definition with credit breakup

Semester	Credit					Total/Sem
	CC	DSE	GE	SEC	USC	
First	20	4	4	1	2	31
Second	20	4		1	2	27
Third	24			1	2	27
Fourth	12			1	2	15
Total Credit/ Course	76	8	4	4	8	
Total Credit						100

CC: Core Courses; **GE:** General Elective; **AECC:** Ability Enhancement Compulsory Course;
SEC: Skill Enhancement Courses; **DSE:** Discipline Specific Elective; **USC:** University specified course

First Year

Category	Course name	Credit	Teaching Scheme		
			L	T	P
Semester – I					
CC – 1	Mathematical Analysis	4	3	1	0
CC – 2	Measure Theory and Probability	4	3	1	0
CC – 3	Sampling Distribution and Statistical Inference-I	4	3	1	0
CC – 4	Linear Models and Regression Analysis	4	3	1	0
CC – 5	M.Sc Statistics Practical-I	4	0	0	8
DSE – 1	Biostatistics	4	3	1	0
GE - 1	Generic Elective	4	4	0	0
USC – 1	Foreign language – I	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
Total Credit = 31			Teaching Hour = 35		
Semester – II					
CC – 6	Sample Survey and Demography	4	3	1	0
CC – 7	Design of Experiments	4	3	1	0
CC – 8	Statistical Inference-II	4	3	1	0
CC – 9	Statistical Computing-I	4	3	1	0
CC – 10	M.Sc Statistics Practical-II	4	0	0	8
DSE – 2	Operations Research	4	3	1	0
USC – 2	Foreign language – II	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
Total Credit = 27			Teaching Hour = 31		

Second Year

Category	Course name	Credit	Teaching Scheme		
			L	T	P
Semester – III					
CC – 11	Discrete data Analysis	4	3	1	0
CC – 12	Time Series Analysis and Stochastic Process	4	3	1	0
CC – 13	Multivariate Analysis	4	3	1	0
CC – 14	Statistical Quality Management and Reliability	4	3	1	0
CC – 15	Statistical Computation-II	4	3	1	0
CC – 16	M.Sc Statistics Practical-III	4	0	0	8
USC – 3	Foreign language – III	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
Total Credit = 27			Teaching Hour = 31		
Semester – IV					
CC – 17	Master Project / Dissertation	12	0	0	24
USC – 4	Foreign language – IV	2	2	0	0
SEC – 4	Master Seminar	1	1	0	0
Total Credit = 15			Teaching Hour = 27		