



SISTER NIVEDITA UNIVERSITY
SYLLABUS
FOR
THREE YEARS B.Sc (DEGREE) COURSE
IN
STATISTICS (HONOURS)
UNDER
UGC-CBCS SYSTEM
2021

B.Sc. Statistics(H) Course Structure

Category definition with credit breakup

Semester	Credit						Total/Sem
	CC	DSE	GE	AECC	SEC	USC	
First	12		4	2		2	20
Second	12	6	4	2	1	2	27
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	18	6			1		25
Sixth	24						24
Total Credit/ Course	90	24	16	8	4	8	
Total Credit							150

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	Descriptive Statistics and Probability I	4	4	0	0
	Descriptive Statistics and Probability I Lab	2	0	0	4
CC – 2	Mathematics I	6	6	0	0
GE – 1	Generic Elective	4	4	0	0
AECC – 1	Communicative English – I	2	2	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester – II					
CC – 3	Probability II	4	4	0	0
	Probability II Lab	2	0	0	4
CC – 4	Sampling Distributions	4	4	0	0
	Sampling Distributions Lab	2	0	0	4
DSE – 1	Mathematics II	6	6	0	0
GE – 2	Generic Elective	4	4	0	0
AECC – 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
USC – 2	Foreign Language II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – III					
CC – 5	Population Statistics	4	4	0	0
	Population Statistics Lab	2	0	0	4
CC – 6	Statistical Inference I	4	4	0	0
	Statistical Inference I Lab	2	0	0	4
DSE – 2	Mathematical Analysis	6	6	0	0
GE – 3	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – I	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 3	Foreign Language III	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 7	Statistical Inference II	4	4	0	0
	Statistical Inference II Lab	2	0	0	4
CC – 8	Sample Survey & Indian Official Statistics	4	4	0	0
	Sample Survey & Indian Official Statistics Lab	2	0	0	4
DSE – 3	Genetics	6	6	0	0
GE – 4	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – II	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 9	Statistical Quality Control	4	4	0	0
	Statistical Quality Control Lab	2	0	0	4
CC – 10	Linear Model and Regression	4	4	0	0
	Linear Model and Regression Lab	2	0	0	4
CC – 11	Economic Statistics	4	4	0	0
	Economic Statistics Lab	2	0	0	4

DSE – 4	Statistical Computing with C++	4	4	0	0
	Statistical Computing with C++	2	0	0	4
SEC – 4	Mentored Seminar – IV	1	1	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Design of Experiment	4	4	0	0
	Design of Experiment Lab	2	0	0	4
CC – 13	Numerical Computing	4	4	0	0
	Numerical Computing Lab	2	0	0	4
CC – 14	Statistical Computing with R language	4	4	0	0
	Statistical Computing with R language	2	0	0	4
CC – 15	Project	6	0	0	12
Total Credit = 24			Teaching Hour = 36		