

**Curriculum
For
B.Sc. (Honours) Statistics**

**Submitted
to**

KAZI NAZRUL UNIVERSITY

Under

**Choice Based Credit System
(From Session 2016-2017)**

**Department of “Statistics”
Kazi Nazrul University
Asansol, Burdwan, W.B.**

2016

Department of “Statistics”, Kazi Nazrul University, Asansol
Curriculum For B.Sc. Honours in Statistics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Descriptive Statistics I	Core Course-I		4	0	0	4
2	Probability I & Linear Algebra I	Core Course-II		5	1	0	6
3	Practical I	Core Course-I Practical		0	0	4	2
4	GE-I [Preferably Mathematics]	GE					4/5
5	GE-I Lab/Tutorial	GE					2/1
6	EVS	AECC		4			4
Total Credit =22							

Semester-II

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Descriptive Statistics II	Core Course III		4	0	0	4
2	Probability II and Population Statistics	Core Course-IV		4	0	0	4
3	Practical II	Core Course III Practical		0	0	4	2
4	Practical III	Core Course IV Practical		0	0	4	2
5	GE-II [Preferably Mathematics]	GE					4/5
6	GE-II Lab/Tutorial	GE					2/1
7	Eng/MIL	AECC					2
Total Credit =20							

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Numerical and Mathematical methods	Core Course-V		4	0	0	4
2	Practical IV	Core Course-V Practical		0	0	4	2
3	Probability Models	Core Course-VI		4	0	0	4
4	Practical V	Core Course-VI Practical		0	0	4	2
5	Official and Economic statistics	Core Course VII		4	0	0	4
6	Practical VI	Core Course-VII Practical		0	0	4	2
7	GE-III	GE					4/5
8	GE-III Lab/Tutorial	GE					2/1
9	SEC -I	AEEC-I					2
Total Credit =26							

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Sampling distribution	Core Course-VIII		4	0	0	4
2	Practical VII	Core Course-VIII Practical		0	0	4	2
3	Inference I	Core Course IX		4	0	0	4
4	Practical VIII	Core Course-IX Practical		0	0	4	2
5	SQC	Core Course X		4	0	0	4
6	Practical IX	Core Course-X Practical		0	0	4	2
7	GE-IV	GE					4/5
8	GE-IV Lab/Tutorial	GE					2/1
9	SEC -II	AEEC-II					2
Total Credit = 26							

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Multivariate and Introduction to Time Series	Core Course-XI		4	0	0	4
2	Practical X	Core Course-XI Practical		0	0	4	2
3	Linear Model and Large Sample	Core Course XII		4	0	0	4
4	Practical XI	Core Course-XII Practical		0	0	4	2
5	DSE -I	DSE-I					4/5
6	DSE -I / Lab Tutorial	DSE-I					2/1
7	DSE -II	DSE-II					4/5
8	DSE -II Lab/ Lab Tutorial	DSE-II					2/1
Total Credit = 24							

Semester-VI

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Inference II	Core Course-XIII		4	0	0	4
2	Practical XII	Core Course-XIII Practical		0	0	4	2
3	Introduction to Design of experiments and sample survey	Core Course XIV		4	0	0	4
4	Practical XIII	Core Course-XIV Practical		0	0	4	2
5	DSE -III	DSE-III					4/5
6	DSE -III / Lab Tutorial	DSE-III					2/1
7	DSE -IV	DSE-IV					4/5
8	DSE -IV Lab/ Lab Tutorial	DSE-IV					2/1
Total Credit =24							

Total Credit: 142

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Curriculum For B.Sc. Program with Statistics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1A (Descriptive Statistics)	Core Course-I		4	0	0	4
2	DSC 1A Lab (Descriptive Statistics)	Core Course-I Practical		0	0	4	2
3	DSC 2A [other discipline]	Core Course-II					6
4	DSC 3A [other discipline]	Core Course-III					6
5	EVS	AECC		4			4
				Total Credit =22			

Semester-II

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1B (Probability and Numerical Analysis)	Core Course-IV		4	0	0	4
2	DSC 1B Lab(Probability Distributions in the syllabus)	Core Course-IV Practical		0	0	4	2
3	DSC 2B [other discipline]	Core Course-V					6
4	DSC 3B [other discipline]	Core Course-VI					6
5	English	AECC					2
				Total Credit =20			

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1C (Sampling Distribution , Point Estimation and Sample Survey)	Core Course-VII		4	0	0	4
2	DSC 1C Lab (Sampling Distribution , Point Estimation and Sample Survey)	Core Course-VII Practical		0	0	4	2
3	DSC 2C [other discipline]	Core Course-VIII					6
4	DSC 3C [other discipline]	Core Course-IX					6
5	Skill enhancement Course [Statistics]	SEC-I					2
				Total Credit =20			

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	DSC 1D (Statistical Inference & Experimental Design)	Core Course X		4	0	0	4
2	DSC 1D Lab (Statistical Inference& Experimental Design)	Core Course-X Practical		0	0	4	2
3	DSC 2D [other discipline]	Core Course-XI					6
4	DSC 3D [other discipline]	Core Course-XII					6
5	Skill enhancement Course [statistics]	SEC-2					2
				Total Credit =20			

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Skill enhancement Course [Statistics]	SEC-3					2
2	Discipline Specific Elective-1 (Theory) [Statistics]	DSE -1A					4/5
	Lab / Tutorial [Statistics]	DSE-1A					2/1
3	Discipline Specific Elective-2 (Theory)	DSE -2A					4/5
	Lab / Tutorial	DSE-2A					2/1
4	Discipline Specific Elective-3 (Theory)	DSE -3A					4/5
	Lab / Tutorial	DSE-3A					2/1
				Total Credit =20			

Semester-VI

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Skill enhancement Course [Statistics]	SEC-4					2
2	Discipline Specific Elective-4 (Theory) [Statistics]	DSE -1B					4/5
	Lab / Tutorial	DSE-1B					2/1
3	Discipline Specific Elective-5 (Theory)	DSE -2B					4/5
	Lab / Tutorial	DSE-2B					2/1
4	Discipline Specific Elective-6 (Theory)	DSE -3B					4/5
	Lab / Tutorial	DSE-3B					2/1
				Total Credit =20			

Total Credit: 122