



## Department of Statistics

### Maulana Azad College

8, Rafi Ahmed Kidwai Road, Kolkata - 700013  
 Email: [statistics@maulanaazadcollegekolkata.ac.in](mailto:statistics@maulanaazadcollegekolkata.ac.in)  
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Syllabus: [View](#)

### Curriculum / Lesson Plan : 2022-23

#### Undergraduate Honours / General Course (CBCS) under University of Calcutta

Semester, [Honours / General], [Period of Semester]	Course Code	Course Name	Brief Description of the Topics	Name of the Faculty	No. of Lectures
Sem - I Honours (July - December)	CC - 1	Descriptive Statistics	Descriptive Statistics (Unit - 1)	Partha Pal	15
			Descriptive Statistics (Unit - 2 & Unit - 3)	Anup Kumar Giri	33
			Descriptive Statistics (Unit - 4)	Tuhinshubhra Bhattacharya	12
	CC - 2	Probability and Probability Distributions-I	Probability and Probability Distributions (Unit - 1 & Unit - 2)	Nilanjan Chakraborty	35
			Probability and Probability Distributions (Unit - 3 & Unit - 4)	Debajit Chatterjee	25
Sem - I General	GE - 1	Descriptive Statistics	Descriptive Statistics	Nilanjan Chakraborty	35
			Descriptive Statistics	Debajit Chatterjee	25
Sem - II Honours (January - June)	CC - 3	Mathematical Analysis	Mathematical Analysis (Unit - 1, Unit - 2 & Unit - 3)	Debajit Chatterjee	57
			Mathematical Analysis (Unit - 4)	Anup Kumar Giri	18
	CC - 4	Probability and Probability Distributions -II	Probability and Probability Distributions (Unit - 2 & Unit - 3)	Nilanjan Chakraborty	30
			Probability and Probability Distributions (Unit - 1)	Partha Pal	15
			Probability and Probability Distributions (Unit - 4)	Anup Kumar Giri	15
Sem - II General	GE - 2	Elementary Probability Theory	Elementary Probability Theory	Nilanjan Chakraborty	20
			Elementary Probability Theory	Debajit Chatterjee	40
Sem - III Honours (July - December)	CC - 5	Linear Algebra	Linear Algebra (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Partha Pal	70
	CC - 6	Demography and Vital Statistics	Demography and Vital Statistics (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Debajit Chatterjee	60
	CC - 7	Statistical Computing and Numerical Analysis Using C Programming	Statistical Computing and Numerical Analysis Using C Programming (Unit - 1 & Unit - 2)	Tuhinshubhra Bhattacharya	15
			Statistical Computing and Numerical Analysis Using C Programming (Unit - 3 & Unit - 4)	Anup Kumar Giri	45
	SEC - A	Statistical Data Analysis Using R	Statistical Data Analysis Using R	Debajit Chatterjee	15
			Statistical Data Analysis Using R	Anup Kumar Giri	5



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Sem - III General (July - December)	GE - 3	Introduction to Statistical Inference	Introduction to Statistical Inference (Unit - 1 & Unit - 2)	Partha Pal	30
			Introduction to Statistical Inference (Unit - 2 & Unit - 3)	Tuhinshubhra Bhattyacharya	30
Sem - IV Honours (January - June)	CC - 8	Survey Sampling & Indian Official Statistics	Survey Sampling & Indian Official Statistics (Unit - 1 & Unit - 2)	Partha Pal	45
			Survey Sampling & Indian Official Statistics (Unit - 2, Unit - 3 & Unit - 4)	Tuhinshubhra Bhattyacharya	15
	CC - 9	Statistical Inference-I and Sampling Distributions	Statistical Inference-I and Sampling Distributions (Unit - 1, Unit - 2 & Unit - 3)	Debajit Chatterjee	44
			Statistical Inference-I and Sampling Distributions (Unit - 4)	Tuhinshubhra Bhattyacharya	16
	CC - 10	Index Numbers and Time Series Analysis	Index Numbers and Time Series Analysis (Unit - 1, Unit - 3 & Unit - 4)	Anup Kumar Giri	36
			Index Numbers and Time Series Analysis (Unit - 2)	Tuhinshubhra Bhattyacharya	12
SEC - B	Monte Carlo Method	Monte Carlo Method (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Partha Pal	20	
Sem - IV General (January - June)	GE - 4	Applications of Statistics	Applications of Statistics (Unit - 1, Unit - 2 & Unit - 3)	Partha Pal	30
			Applications of Statistics (Unit - 2)	Tuhinshubhra Bhattyacharya	15
			Applications of Statistics (Unit - 2 & Unit - 3)	Anup Kumar Giri	15
Sem - V Honours (July - December)	CC - 11	Statistical Inference-II	Statistical Inference-II (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Debajit Chatterjee	50
			Statistical Inference-II (Unit - 4)	Tuhinshubhra Bhattyacharya	10
	CC - 12	Linear Models and Regression	Linear Models and Regression (Unit - 1, Unit - 2 & Unit - 3)	Partha Pal	38
			Linear Models and Regression (Unit - 2 & Unit - 4)	Anup Kumar Giri	16
			Linear Models and Regression (Unit - 4)	Tuhinshubhra Bhattyacharya	6
	DSE - A	Statistical Quality Control	Statistical Quality Control (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Partha Pal	60
	DSE - B	Operations Research	Operations Research (Unit - 1, Unit - 2 & Unit - 3)	Tuhinshubhra Bhattyacharya	42
			Operations Research (Unit - 4)	Anup Kumar Giri	18



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Sem - VI Honours (January - June)	CC - 13	Design of Experiments	Design of Experiments (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Partha Pal	60
	CC - 14	Multivariate Analysis and Nonparametric Methods	Multivariate Analysis and Nonparametric Methods (Unit - 1, Unit - 2 & Unit - 3)	Anup Kumar Giri	45
			Multivariate Analysis and Nonparametric Methods (Unit - 4)	Debajit Chatterjee	15
	DSE - A	Survival Analysis	Survival Analysis (Unit - 1, Unit - 2, Unit - 3 & Unit - 4)	Nilanjan Chakraborty	60
	DSE - B	Project Work	Project Work	Partha Pal	15
			Project Work	Anup Kumar Giri	15
			Project Work	Debajit Chatterjee	15
Project Work			Tuhin Subhra Bhattacharya	15	

Head  
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