



DEPARTMENT OF ECONOMICS
BARASAT GOVERNMENT
COLLEGE



organizes

*VALUE ADDED
COURSE
on
APPLIED
STATISTICS
& ECONOMETRICS*



*33 Contact
Hours*

*Certificate on
successful
Completion*

*Registration is
compulsory for
participation*

Chief Patron

Dr. Samar Chattopadhyay

Principal

Barasat Government College

Registration link

<https://forms.gle/1kWghKcdDBcHHjg97>

APPLIED STATISTICS AND ECONOMETRICS

*A Value Added Course conducted by Department of Economics,
Barasat Government College*

COURSE CODE: BGC ECO 01 VAC ACADEMIC SESSION-2022-23

RESOURCE PERSONS:

1. Dr. Samar Chattopadhyay, Principal, Barasat Govt. College.
2. Prof. Rajnarayan Gupta, HOD & Associate Professor. Dept. of Economics. BGC.
3. Prof. Rongili Biswas, Associate Professor. Dept. of Economics. BGC.
4. Prof. Dola Chattopadhyay, Assistant professor. Dept. of Economics. BGC.
5. Prof. Kaushiki Banerjee, Assistant professor, Dept. of Economics. BGC.
6. Prof. Anindita Sengupta, Associate Professor. Dept. of Economics, Barrakpore Rastraguru Surendranath College.
7. Prof. Debarshi Mondal, Associate Professor. Dept. of Economics Chandernagore College, Govt. of West Bengal.
8. Prof. Sudip Mukherjee, Assistant Professor, Dept. of Physics, BGC
9. Prof. Pujita Biswas, HOD & Assistant Professor, Dept. of Economics Prasanta Chandra Mahalanobis Mahavidyalaya.

PROGRAMME OUTCOME:

1. Students will be acquainted with Analytical knowledge.
2. They will develop concept regarding applicability of Statistical and Econometric tools.
3. It will make them more efficient to conduct research project from all aspects.
4. The course will enhance reporting skill of a student
5. The course will heavily increase the employability quotient.

DURATION OF THE COURSE: 33 Hours

EVALUATION: Continuous Evaluation through MCQ Tests , Tutorials & Spot Assignments

FULL MARKS: 100 PASS MARKS: 40

GRADATION OF RESULTS: Greater than 80%....Grade O
Greater than 70% but less than equal to 80%---Grade A+
Greater than 60% but less than equal to 70%---Grade A
Greater than 50% but less than equal to 60%---Grade B+
Greater than equal to 40% but less than equal to 50%---Grade B
Less than 40 %Grade F

Shatterjee
Countersigned
Principal
Barasat Govt. College
Govt. of West Bengal

Dola Chattopadhyay
Course Coordinators
3.06.2023

DETAILED PROGRAMME SCHEDULE

APPLIED STATISTICS AND ECONOMETRICS

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Day 1: 5/06/2023 (Monday), Time: 11 am to 5.00 pm.

Topic	Duration	Course Content	Resource Person
Formal Inauguration of the Course	11 am -11.30 am		
Inaugural Address	11.30 am—12.00 pm		Dr. Samar Chattopadhyay Principal Barasat Govt. College
Foundations of Statistics	12.00pm -2.00 pm	Data collection, Central tendency Dispersion, Skewness and Kurtosis	Prof. Rongili Biswas Associate Professor Dept. of Economics Barasat Govt. College
Break	2.00 pm—2.30pm		
Tutorial Discussion on the topic	2.30 pm -4 pm	Interactive session between Resource person and participants	Prof. Rongili Biswas
Evaluation	4pm -5pm	MCQ questionnaires/ Spot Assignments	Prof. Rongili Biswas

Day 2: 7/06/2023 (Wednesday), Time: 11 am to 5 pm.

Topic	Duration	Course Content	Resource Person
Bivariate Data Analysis	11 am -1.00 pm	Concept of Correlation, Regression, Estimation and Hypothesis testing	Prof. Dola Chattopadhyay Assistant professor Dept. of Economics. BGC
Tutorial Discussion on the topic	1.00 pm--1.30pm	Interactive session between Resource person and participants.	Prof. Dola Chattopadhyay
Evaluation	1.30 pm -2.15 pm	MCQ questionnaires/ Spot Assignments .	Prof. Dola Chattopadhyay
Break	2.15 pm —2.45pm		
Introduction to Official Statistics	2.45pm-3.45pm	Different sources of official statistics in India	Prof. Kaushiki Banerjee Assistant professor Dept. Of Economics. BGC
Tutorial Discussion on the topic	3.45 pm -4.15pm	Interactive session between Resource person and participants	Prof. Kaushiki Banerjee
Evaluation	4.15pm -5pm	MCQ questionnaires/ Spot Assignments	Prof. Kaushiki Banerjee

Day 3: 9/06/2023 (Friday), Time: 11 am to 5 pm.

Topic	Duration	Course Content	Resource Person
Concept of probability and distribution	11 am -1.00 pm	Classical and Axiomatic concept, Binomial, Poisson, Normal, Uniform, Hypergeometric prob. distribution.	Prof. Rajnarayan Gupta HOD & Associate Professor Dept. of Economics Barasat Govt.College
Tutorial Discussion on the topic	1.00 pm--1.30 pm	Interactive session between Resource person and participants	Prof. Rajnarayan Gupta
Evaluation	1.30 pm –2.15 pm	MCQ questionnaires/ Spot Assignments	Prof. Rajnarayan Gupta
Break	2.15 pm —2.45pm		
Empirical Research and Vital Statistics	2.45pm –3.45pm	Stages of Empirical Research, Survey Methodology, Different Vital statistics	Prof. Anindita Sengupta Associate Professor Dept. Of Economics Barrakpore Rastraguru Surendranath College
Tutorial Discussion on the topic	3.45 pm –4.15pm	Interactive session between Resource person and participants	Prof. Anindita Sengupta
Evaluation	4.15 pm –5pm	MCQ questionnaires/ Spot Assignments	Prof. Anindita Sengupta

Day 4: 12/06/2023 (Monday), Time: 11 am to 5 pm

Topic	Duration	Course Content	Resource Person
Econometric Analysis	11 am -1.00 pm	Classical Linear Regression Model...Bivariate & Multivariate	Prof. Dola Chattopadhyay Assistant Professor Dept. of Economics. BGC
Tutorial Discussion on the Topic	1.00 pm--1.30 pm	Interactive session between Resource person and participants.	Prof. Dola Chattopadhyay
Evaluation	1.30 pm –2.15 pm	MCQ questionnaires/ Spot Assignments	Prof. Dola Chattopadhyay
Break	2.15 pm —2.45m		
Sampling Techniques	2.45 pm–3.45pm	Theory of Sampling and Its Application.	Prof. Debarshi Mondal Associate Professor Dept. of Economics Chander nagore College Govt. of Westbengal
Tutorial Discussion on the topic	3.45 pm –4.15pm	Interactive session between Resource person and participants	Prof. Debarshi Mondal
Evaluation	4.15 pm –5pm	MCQ questionnaires/ Spot assignments	Prof. Debarshi Mondal

Day 5: 14/06/2023 (Wednesday), Time: 11 am to 5 pm

Topic	Duration	Course Content	Resource Person
Issues on Econophysics	11 am -1.00 pm	Kinetic Theory model of Income distribution	Prof. Sudip Mukherjee Assistant Professor Dept. of Physics, BGC
Tutorial Discussion on the topic	1.00 pm--1.30 pm	Interactive session between Resource person and participants	Prof. Sudip Mukherjee
Evaluation	1.30 pm –2.15 pm	MCQ questionnaires/ Spot Assignments	Prof. Sudip Mukherjee
Break	2.15 pm —2.45m		
The Basics of Panel Data	2.45 pm–3.45pm	Definition, description and Uses of panel data	Prof. Puja Biswas HOD & Assistant Professor Prasanta Chandra Mahalanobis Mahavidalaya
Tutorial Discussion on the topic	3.45 pm –4.15pm	Interactive session between Resource person and participants	Prof. Puja Biswas
Evaluation	4.15 pm –5pm	MCQ questionnaires/ Spot Assignments	Prof. Puja Biswas

Day 6: 16/06/2023 (Friday), Time: 11 am to 5 pm

Topic	Duration	Course Content	Resource Person
Dynamic Economic Fluctuation	11 am -1.00 pm	Concept of Stochastic Process---a Time series Analysis	Prof. Kaushiki Banerjee Assistant professor Dept. of Economics. BGC
Tutorial Discussion on the topic	1.00 pm--1.30 pm	Interactive session between Resource person and participants	Prof. Kaushiki Banerjee
Evaluation	1.30 pm –2.15 pm	MCQ questionnaires/ Spot Assignments	Prof. Kaushiki Banerjee
Break	2.15 pm —2.45pm		
Static Economic Fluctuation	2.45 pm –3.45pm	Measurement of price relatives, construction and application of Indices.	Prof. Kaushiki Banerjee
Tutorial Discussion on the topic	3.45 pm –4.15pm	Interactive session between Resource person and participants	Prof. Kaushiki Banerjee
Evaluation	4.15 pm –5pm	MCQ questionnaires/ Spot Assignments	Prof. Kaushiki Banerjee

Phattya
Countersigned 02/06/23

Jola Chattopadhyay
Course Coordinators 2.06.2023