



**RESEARCH
METHODOLOGIES**

**30 Hour Add-on Course on Research
Methodology**



Offered by

DINABANDHU ANDREWS COLLEGE

GARIA, KOLKATA

Joy Sarkar

Title:

Certificate Course on Research Methodology

Course Overview: This certificate course is designed to systematically solve the research problem. A researcher must know the rationale for using specific methods or techniques and establish their relevance. Each discipline within social science is informed by its Research paradigms and each paradigm is associated with attendant methodologies.

Course Duration: 30 hours (6 hrs per week x 5weeks)

One Class (Theory): 1 Hour

Lab: 2 Hours

Final Assessment on the Last day

Course Fee: Free of Cost

Pedagogy: Lecture on theory and Practical

Course Coordinator : Dr. Joy Sarkar & Dr. Tanmay Ghosh

SYLLABUS STRUCTURE OF THE CERTIFICATE COURSE

Module	UNIT TITLE	HOURS
Module -1	Introduction to Research	3
Module -2	Methods of Data Collection and Sampling	6
Module -3	Editing and Processing of Data	9
Module -4	Report Writing and Presentation of Results	9
Module -5	Statistical Analysis of Data	3
Total		30

Module 1: Introduction to Research

- The theoretical foundation of social science research
- Research Methodology

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- Research design
- Review of literature

Module 2: Methods of Data Collection and Sampling

- Methods of data collection
- Sources of data collection
- Data Collection - Schedule and questionnaires
- Sample meaning, types and sampling errors
- Meaning and importance of data

Module 3: Editing and Processing of Data

- Processing of data
- Interpretation of data
- Classification and transcription of data
- Preparation of analysis
- Construction of frequency table
- Graphical representation

Module 4: Report Writing and Presentation of Results

- Results Discussion & Suggestion
- Report writing & Documentation
- Project proposal writing
- Steps in report writing
- Interpretation of results
- Bibliography

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Module 5: Statistical Analysis of Data

- Application of tools and technics in data
- Measures of central tendency, depression, chi-square test, f-test, t-test etc
- Testing of Hypothesis

Course Outcome :

1. Expound knowledge about qualitative and quantitative aspects of research.
2. Provide an overview of methods of the data collection in research.
3. Provide practical knowledge of Field survey & Case study.
4. Explicate statistical reasoning in research and various techniques.
5. Elucidate research ethics and issues of plagiarism.
6. Share knowledge about research Grants and how to write proposals.
7. Enable researchers in writing various research reports, thesis, dissertation, Research paper & articles.

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LEARNING RESOURCES

SL. NO.	TITLE OF THE BOOK	AUTHOR(S)	PUBLISHER
1	Research Methodology Methods & Techniques	C R KOTHARI, Gaurav Garg	New Age International Publishers
2	Research Methodology Methods, Tools and Techniques	Shashi K. Gupta Praneet Rangi	Kalyani Publication
3	Research Methodology	R. Panneerselvam	PHI Publishers
4	Research Methodology and scientific writing	C George Thomas	Ane Books Pvt. Ltd.
5	Research Methodology & Medical Statistics	Dr. Ajit Patil, Dr. Pramod Kanap	Chaukhamba Prakashan

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EVALUATION POLICY FOR THE ADD-ON COURSE

The basic philosophy behind the Evaluation policy for this 30 Hours Add-on course is to objectively judge the participants (students) whether the concepts were understandable to them or not and whether they could apply these concepts to solve numerical and conceptual problems. The Evaluation would be done through 2 components –

- i) C1 Course-end Assessments (Written Test) [Total Marks: 30]
- ii) C2 Practical /LAB [Total Marks: 20]

Total Marks of the Evaluation process would be – 50 Marks

TABLE FOR QUALIFICATION

TOTAL SCORE (OUT OF 50)	GRADE
45 – 50	O – OUTSTANDING
40 – 44	E – EXCELLENT
35 – 39	A – VERY GOOD
30 – 34	B – GOOD
25 -29	C – FAIR
BELOW 25	F – FAILED

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GENERAL RULES AND REGULATIONS

1. Students must attend and appear for all the Module-End Assessments. If any student fails to submit any of the Module-End Assignments or fails to attend any of the Module End Assessment examinations , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
2. Students must attend and appear for the Course-End Assessment Examination. If any student fails to submit the Course-End Assessment or fails to attend the Course-End Assessment Examination , the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
3. Students must attend and appear for the Course-End Viva. If any student fails to fails to attend the Course-End Viva, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
4. Total Marks of Course Evaluation will be 50 Marks.
5. Minimum 50% Marks has to be scored to receive any Certificate. There will be only ONE Attempt allowed for each of the Module-End Assessments and the Course-End Assessment.
6. There will be NO PROVISION for Backlog Clearance.
7. General Rules and Regulations of the College must be followed without any exception.
8. **Minimum 75% attendance is required to receive the certificate of the course.**

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