

Doctor of Philosophy (Ph.D.)

COURSEWORK SYLLABUS

RESEARCH METHODOLOGY

(Common paper for the students of Economics, Sociology and Political Science)

Preamble: This paper enable student to have the basic structure of research methods in social sciences. This paper helps to develop the research approach and analyzing capacity of the students. This will ultimately helps to prepare research report on various socio-economic issues.

Unit No.	Title/Sub-title of the topic
1)	Introduction to Research Methodology:
	Meaning and Objective of Social Research; Criteria of Good Social Research; Social Science research: Nature, importance, limitations and difficulties; Ethics in Social Research; Deductive Method and Inductive Method
2)	Formulation of Research Problem and Hypothesis:
	Meaning of Research Problem; Need of Research Problem; Defining Research Problem; Hypothesis- Meaning and formulation.
3)	Research Design:
	Meaning of Research Design; Features of Good Research Design; Types of research design; Limitations of various research designs; Review of Literature.
4)	Sampling Design:
	Census and Sample: Meaning and importance; Steps in Sampling Design; Features of Good Sampling; Types of Sampling- Simple Random Sampling, Stratified Random Sampling; Multistage Sampling Purposive Sampling, Accidental Sampling, Quota Sampling, Snowball Sampling
5)	Methods of collection of data:
	Primary Data Collection- Observation Method, Interview Method, Questionnaire, Schedules, Difference between Questionnaire and Scheduled; Secondary Data Collection- Sources- documents, census materials, records, biographies, Library references, history, journals, reports, government reports, serial gazetteers, annuals; Selection of Appropriate Method for Data Collection; Case Study Method
6)	Processing and Analysis of Data:
	Processing Operations; Tabulation of Data; Graphical Presentation of Data; Statistical Methods-Mean, Mode, Median, Correlation, Regression; Testing of Hypothesis
7)	Research Report Writing:
	Interpretation- Meaning and Need; Significance of Report Writing; Steps in Research Report Writing; Presentation of Research Report
8)	Computer Application in Research:
	Basic Components of Computer; Significance of Computer in social research; Use of selected software in Research- MS Word, MS Excel, SPSS; Use of Internet and e-journals

References:

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- 3) Ghosh B.N. (1982) Scientific Methods & Social Research, Sterling Publishers Pvt. Ltd., New Delhi
- 4) Wilkinson and Bhandarkar (2002), Methodology and Techniques of Social Research,
- 5) Bhandarkar P.L. (1999), Samajik Sanshodhan Paddhati, Maharashtra Granthanirmiti Mandal, Aurangabad
- 6) Aaglave Pradeep (2000), Sanshodhan Paddhatishastra va tantre, Vidya Prakashan, nagpur
- 7) Baily K.D. (1982), Methods of Social Research, Free press Publications, New York.
- 8) Bajpai S.R. 1969. Social Survey and Research, Kitab Ghar Publication, New Delhi
- 9) Gupta, S. C. (1981), Fundamentals of Statistics, Himalaya Publishing House, Bombay.
- 10) Kothari, C. R. (1992), An Introduction to Operations Research, Vikas Publishing House, New Delhi.
- 11) Rajaram, V, (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.