



Research Methodology Training Course in Social Science for Ph.D. Scholars

Sponsored by ICSSR, New Delhi

Revised Date Schedule

26th August, 2016 to 04th September, 2016

**Organized by**

**Department of Business Economics, A.P.S. University, Rewa (M.P.)**

## *Course-Pamphlet*

### ***Preamble :***

The ICSSR as part of its research promotion activities, sponsors short-term training courses in research methodology in order to improve research efficiencies and competence of the young social scientists to undertake research. ICSSR has consented to provide financial support to the department of Business Economics, A.P.S. University, Rewa to organize a 10 days training course on research methodology for Ph.D. scholars during 26th Aug. to 04th Sept. 2016. This course is specially meant for those who are engaged in survey, research and have dealt with data processing, analysis and interpretation in social science stream.

### ***Backdrop :***

The institutions of higher learning in India are facing crucial challenges in creating, nurturing and maintaining the standard of quality research; especially in social science. The demand of the hour is to develop a sound methodological base of research among the budding researchers and educationists to cope up with future challenges.

A good research methodology is a key to sound research output. To operationalize this view, there is need to train, re-orient and reactivate, the research scholars of the social science on research methods. The proposed training course is an endeavor to strengthen the research scholars in the social science on research methodology.

### ***About the Course :***

The research methodology training course for Ph.D. scholars in social science is expected to cover the basics of research methodology; focusing on theoretical and practical inputs. Specifically the identification of research problem, formulation of research problem, hypothesis and testing of hypothesis, conducting literature review, data collection methods, selection of appropriate parametric or non-parametric statistical methods for analyzing data and report writing.

### ***Objectives :***

The main objective of the training course is to enhance the conceptual understanding of participants regarding datasets, various statistical methods, techniques and make them able to

strengthen their current research knowledge and skills in the field of social sciences. The objectives of the training course are as under :

- (i) To empower the participants, identifying research problem, developing an approach to research problem and selection of appropriate research design.
- (ii) To enhance efficiencies for formulation and testing of hypothesis based on the nature of research.
- (iii) To comprehend appropriateness of statistical software packages for analyzing research data.
- (iv) To enable the participants to understand report writing and writing research proposals.
- (v) To make aware the participants about latest trends in social science research discipline.

***Pedagogy :***

The training course shall be conducted in both lecture and interactive mode. In addition to the interactive classroom lectures the participants will be introduced to the use of selected statistical packages like MS-Excel and/or SPSS. They will also have the opportunity to discuss with the resource persons on their synopsis, issues relating to tools of data collection, interpretation of data, use of statistical tools and techniques etc. depending upon the stage of progression of their research work. Those who are about to complete their research may get an opportunity to share their findings with their peers, faculty and invited subject experts so that they could incorporate worthy suggestions. It will be more useful to the participants to bring their laptop for hands-on training.

***Eligibility Criteria :***

Enrolled Ph.D. scholars in any branch of Social Sciences; Ph.D. Scholars who are at the submission stage; recent post Doctoral Fellowship (PDF) scholars (least preferred) are eligible to apply for the training course. The training course would give preference to research scholars pursuing Ph.D. in various streams of social sciences like Business Economics/Economics and allied; Sociology and Social Anthropology; Political Science/Public Administration and allied; International Studies; Social Geography and Population Studies; Commerce and Management; Social Psychology and allied; Education and allied; Social Linguistics/Socio-Cultural and allied; Law, International Law and allied; National Security and Strategic Studies.

It may be noted that as per ICSSR guidelines, preference would be given to the applicants belonging to the catchment area of this university, state of Madhya Pradesh and its neighboring states. In case of vacancy, applicants belonging to other than above criteria may also be considered.

***How to Apply :***

Interested candidates may send their duly filled-in Registration Form to the course director on or before 12th August, 2016. Registration Form and Pamphlet/Brochure can be

downloaded from the university website [http:// www.apsurewa.ac.in](http://www.apsurewa.ac.in). This website may also give the regular up-dates about the training course. The application must be forwarded by the sponsoring authorities, namely the Institution/Employer/ Research Supervisor of the concerned applicant. The candidates may send scanned copies of Registration Form and other following documents by e-mail to [profnpalthak@gmail.com](mailto:profnpalthak@gmail.com) followed by hard copy.

***The following documents are required to be enclosed with the Registration Form :***

1. One page brief bio-data of the candidate along with academic certificates.
2. Ph.D. registration certificate.
3. Two-page synopsis containing Title of Study, Statement of Problem, Scope of Study, Objectives of Study, Hypotheses, Census/ Population/ Sample design- Sample Size, Sample Unit, Sampling frame, Data collection and Data Analysis.

***Duration and Important dates :***

- The training course is proposed to be completed in ten days time period from **26th August to 04th Sept, 2016 (Including all holidays)**.
- Last date for submitting application form: **12th August 2016**. Application received after stipulated last date will not be considered.
- Selected candidates will be intimated on **16th August-2016** by e-mail/Phone. Please mention clearly your phone number/e-mail and address.

***Selection Procedure :***

From amongst the applicants 40 participants will be selected on the basis of ICSSR guidelines selected applicants would be informed through e-mail or phone. The selection list also be posted in the University website [www.apsurewa.ac.in](http://www.apsurewa.ac.in).

***Registration :***

Registration for Selected applicants will be facilitated on-the-spot at the course venue on 26th August, 2016 at 10:00 AM. **There is no registration fee for attending the course.** Certificate of the training Course will be provided to only those candidates who have attended all the session of the training course.

***Travel Allowance :***

Travel allowance by shortest route (2nd class return railway fare/actual bus fare) will be reimbursed to the outstation participants subject to the production of ticket as per ICSSR guidelines.

***Boarding and Lodging:***

Outstation participants would be provided modest facilities for stay and food on request and on first come first serve basis from **26th August to 04th Sept. 2016**. Accommodation will be

provided to outstation participants only. Local participants would be provided only lunch and tea/snacks during the programme break.

**Venue** : *SMART ACADEMIC HALL, DEPT. OF BUSINESS ECONOMICS, A.P.S. UNIVERSITY, REWA (M.P.)*

**Number of Seats** : Maximum number of seats are limited to **40** (Forty).

**Organizing Committee :**

|                          |   |
|--------------------------|---|
| Chief Patron             | <b>Prof. K.N. Singh Yadava</b> : Vice-Chancellor, A.P.S. University, Rewa (M.P.)  |
| Patron                   | <b>Prof. A.K. Shrivastava</b> : Dean, Faculty of Social Sciences  |
| Course Directors         | <b>Prof. N.P. Pathak</b> : Professor, Deptt. of Business Economics  |
| Local Advisory Committee | <b>Prof. V. C. Sinha</b> : Founder & Former Head, Deptt. of Business Economics<br><b>Prof. (Smt.) Deepa Shrivastava</b> : Head, Deptt. of Business Economics<br><b>Prof. Rajiv Dube</b> : Professor, Deptt. of Business Economics |

**Contact :**

- For any further information/clarification please contact to :

**Prof. N.P. Pathak**

Course Director

Research Methodology Training Course in Social Science for Ph.D. Scholars

Deptt. of Business Economics, A.P.S. University, Rewa (M.P.)-486003

Mobile No: +919827642525

e-mail : [profnppathak@gmail.com](mailto:profnppathak@gmail.com)

- For further details/updates, please visit : [www.apsurewa.ac.in](http://www.apsurewa.ac.in).

(Dr. B. Bharati)

Registrar

Counter Signature With seal

(Dr. N.P.Pathak)

Course Director

Signature With seal

Ten Days ICSSR sponsored Training Course on Research Methodology for Ph. D. Scholars  
of Social Sciences

**Department of Business Economics**

A.P.S. University, Rewa (M.P.)

(Aug.26th,2016 to Sept.04th, 2016)

REGISTRATION FORM

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|---|
| <p><b>For office use only</b><br/>Serial No.....<br/>Reg. No.</p> |
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| <p><b>Paste Recent<br/>Passport size<br/>photo<br/>(don't staple)</b></p> |
|---|

1. Name (in capital letters) : .....
2. Date of Birth: .....
3. Educational Qualifications:.....
4. Gender (Male/Female):.....
5. Social Category (General/ST/SC/OBC candidates):.....
6. M.P. Domicile: Yes/No.....(if yes enclose certificate) .....
7. Marital Status: Married/Unmarried.....
8. Propose/Pursuing Ph.D. in the Subject of.....  
Topic of the research:  
.....  
.....
9. Area of specialization:.....
10. Present Status of Research work(Preparing Synopsis/Reviewing literature/Preparing  
Tool/Collecting Data/Analysing Data/writing Report/Thesis/any other.....  
.....
11. Department:.....
12. Name of the Institution and /or University (Ph.d. enrolled):.....  
.....
13. Mailing Address:.....  
.....  
Mobile No:.....Email:.....
14. Accommodation required: Yes/No.....

Date:

Place:

Signature of Applicant



**TENTATIVE SCHEDULE AS PER CURRICULUM of 10 DAYS  
TRAINING COURSE ON RESEARCH METHODOLOGY FOR  
PH.D. SCHOLARS**

| <b>S. No.</b> | <b>Day</b> | <b>Date</b> | <b>Session/Duration</b>                            | <b>Themes to be Covered</b>  |
|---------------|------------|-------------|--|--|
| 1             | Day - 1    | 26 Aug.2016 | Registration/Inaugural Session<br>(9:00AM-10:00AM) | Registration; Welcome Address; Introduction of the Course; Inauguration  |
| 1.            | Day - 1    |             | Pre-Lunch Session – I<br>(10:00AM-11:30AM)         | Nature of Scientific Methods and its Application to Social Phenomenon & Nature, Importance and Scope of Research.  |
| 2.            | Day – 1    |             | Pre-Lunch Session – II<br>(11:45AM-1:15PM)         | Introduction to Research Problem and Design. Steps in Research Methodology-Problem Selection, Formulation and Planning. Framing Objective of Research. How to write a research proposal. |
| 3.            | Day – 1    |             | Post-Lunch Session – I<br>(2:15PM-3:45PM)          | Types of Research: Historical, Analytical, Interdisciplinary, Evaluative, Participative and Action Research  |
| 4.            | Day – 1    |             | Post-Lunch Session – II<br>(4:00PM-5:30PM)         | Types of Research Design: Exploratory, Diagnostic, Descriptive, Experimental; Control Group & Experimental Group; Ex-Post Facto Research Design  |
| 5.            | Day - 2    | 27Aug.2016  | Pre-Lunch Session – I<br>(9:30AM-11:00AM)          | Reviewing the Literature: Efficient Location of Related Literature, The Internet, Online Database Searching.   |
| 6.            | Day – 2    |             | Pre-Lunch Session – II<br>(11:15AM-12:45PM)        | Reviewing the Literature: Reasons for literature review, How to write literature review.   |
| 7.            | Day – 2    |             | Post-Lunch Session – I<br>(1:45PM-3:15PM)          | Concepts in Research: Variables, Attributes. Concept & Types of Hypothesis, Formulation of Hypothesis, Testing of Hypothesis.  |
| 8.            | Day – 2    |             | Post-Lunch Session – II<br>(3:30PM-5:00PM)         | Universe, Nature & Types of Sampling: Steps in Sampling, Sampling Error, Selection of Sample Size.   |

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| 9.  | Day - 3 | 28 Aug.2016 | <i>Pre-Lunch Session – I<br/>(9:30AM-11:00AM)</i>   | <i>Allotment of a small field study to the participants.</i>  |
| 10. | Day – 3 |             | <i>Pre-Lunch Session – II<br/>(11:15AM-12:45PM)</i> | <i>Tool of Data Collection: Primary &amp; Secondary Data, Questionnaire, Types and Formats; Schedule.</i>   |
| 11. | Day – 3 |             | <i>Post-Lunch Session – I<br/>(1:45PM-3:15PM)</i>   | <i>Rating Scales: Osgood, Bogardus, Thurston.</i>   |
| 12. | Day - 3 |             | <i>Post-Lunch Session – II<br/>(3:30PM-5:00PM)</i>  | <i>Rating Scales: Likert; Guttman</i>   |
| 13. | Day - 4 | 29 Aug.2016 | <i>Pre-Lunch Session – I<br/>(9:30AM-11:00AM)</i>   | <i>Probability Sampling: Simple Random Sampling, Proportionate and Disproportionate Stratified Random Sampling, Cluster Sampling, Multi-Stage Sampling.</i> |
| 14. | Day - 4 |             | <i>Pre-Lunch Session – II<br/>(11:15AM-12:45PM)</i> | <i>Non-Probability Sampling: Accidental Sampling, Quota Sampling, Purposive Sampling, Snowball Sampling.</i>  |
| 15. | Day - 4 |             | <i>Post-Lunch Session – I<br/>(1:45PM-3:15PM)</i>   | <i>Interview, Observation, Case Study Method &amp; Content analysis.</i>  |
| 16. | Day - 4 |             | <i>Post-Lunch Session – II<br/>(3:30PM-5:00PM)</i>  | <i>Participatory Research: PRA &amp; RRA</i>  |
| 17. | Day - 5 | 30 Aug.2016 | <i>Pre-Lunch Session – I<br/>(9:30AM-11:00AM)</i>   | <i>Qualitative and Quantitative Research Designs: Case Studies. Grounded Theory: Case Studies.</i>  |
| 18. | Day – 5 |             | <i>Pre-Lunch Session – II<br/>(11:15AM-12:45PM)</i> | <i>Qualitative Research Design: Ethnographical Perspective Case Studies, Phenomenological Perspective. Case Studies.</i>                                    |
| 19. | Day – 5 |             | <i>Post-Lunch Session – I<br/>(1:45PM-3:15PM)</i>   | <i>Qualitative Research Design :Ethno Methodological Perspective &amp; Narrative: Case Studies.</i>   |
| 20. | Day - 5 |             | <i>Post-Lunch Session – II<br/>(3:30PM-5:00PM)</i>  | <i>Descriptive Statistics, Measurement of Central Tendency, Dispersion, Skewness, Kurtosis.</i>   |



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| 21. | Day – 6 | 31 Aug.2016  | Pre-Lunch Session – I<br>(9:30AM-11:00AM)   | Regression and Correlation. Measurement of Correlation: Karl Pearson's Correlation and Rank Correlation. A brief about Normal Distribution, Statistical Inference: Point and interval estimates. |
| 22. | Day – 6 |              | Pre-Lunch Session – II<br>(11:15AM-12:45PM) | Parametric Test, T-test, Test of Difference. Level of Significance and Degrees of Freedom.   |
| 23. | Day – 6 |              | Post-Lunch Session – I<br>(1:45PM-3:15PM)   | Non Parametric Test: Chi-Square Test, Mann Whitney 'U' Test, Wilcoxon test, Signed Rank Test, Run Test, Kruskal Wallis Test, Friedman's Test, McNemar's Test.                                    |
| 24. | Day – 6 |              | Post-Lunch Session – II<br>(3:30PM-5:00PM)  | Analysis of Variance and Co-Variance: One way and two way classification.  |
| 25. | Day -7  | 01 Sept.2016 | Pre-Lunch Session – I<br>(9:30AM-11:00AM)   | SPSS: Introduction to SPSS Data Import, Data Export, Data Input, Explore, OLAP Cubes, Merge Files, Visual Binning, Summary Statistics.   |
| 26. | Day -7  |              | Pre-Lunch Session – II<br>(11:15AM-12:45PM) | SPSS: Graph and Charts, Transform Variables, Date and Time Transformations, Crosstabs. Descriptive Statistics.   |
| 27. | Day – 7 |              | Post-Lunch Session – I<br>(1:45PM-3:15PM)   | SPSS: Parametric test, P value, Significance of Test, One Sample t-tests, Independent Sample t-test and Paired t-test.   |
| 28. | Day – 7 |              | Post-Lunch Session – II<br>(3:30PM-5:00PM)  | SPSS : Non Parametric Test: Chi-Square Test, Mann Whitney 'U' Test, Wilcoxon test, Signed Rank Test, Run Test, Kruskal Wallis Test, Friedman's Test, McNemar's Test.                             |
| 29. | Day -8  | 02 Sept.2016 | Pre-Lunch Session – I<br>(9:30AM-11:00AM)   | SPSS: Checking Normality and Linearity Conditions, Correlation, Karl Pearson and Rank, Kendall's tau, Bi-Variate Linear Regression, Multiple Regression.   |
| 30. | Day -8  |              | Pre-Lunch Session – II<br>(11:15AM-12:45PM) | SPSS: One-way ANNOVA, Two-way ANOVA, ANCOVA, MANOVA, MANCOVA, Multivariate Analysis.   |
| 31. | Day – 8 |              | Post-Lunch Session – I<br>(1:45PM-3:15PM)   | SPSS: Logistic Regression, Logit and Probit, Discriminant Analysis-Case Study.   |
| 32. | Day – 8 |              | Post-Lunch Session – II<br>(3:30PM-5:00PM)  | SPSS: Cluster Analysis and Factor Analysis, PCA Technique-Case Study.  |

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| 33. | Day -9  | 03 Sept.2016 | <i>Pre-Lunch Session – I<br/>(9:30AM-11:00AM)</i>   | <i>A brief on Online Information System, References in Report Writing (Style Sheet).</i> |
| 34. | Day -9  |              | <i>Pre-Lunch Session – II<br/>(11:15AM-12:45PM)</i> | <i>References in Report Writing (Style Sheet)</i>  |
| 35. | Day – 9 |              | <i>Post-Lunch Session – I<br/>(1:45PM-3:15PM)</i>   | <i>Summarizing the Research Work Thesis &amp; Report Writing.</i>                        |
| 36. | Day –9  |              | <i>Post-Lunch Session – II<br/>(3:30PM-5:00PM)</i>  | <i>How to write an academic Research Paper in reputed journals?</i>                      |
| 37. | Day -10 | 04 Sept.2016 | <i>Pre-Lunch Session – I<br/>(9:30AM-11:00AM)</i>   | <i>Field Report Presentations</i>  |
| 38. | Day -10 |              | <i>Pre-Lunch Session – II<br/>(11:15AM-12:45PM)</i> | <i>Field Report Presentations</i>  |
| 39. | Day-10  |              | <i>Post-Lunch Session – I<br/>(1:45PM-3:15PM)</i>   | <i>Field Report Presentations</i>  |
| 40. | Day -10 |              | <i>Post-Lunch Session – II<br/>(3:30PM-5:00PM)</i>  | <i>Valedictory Session and Distribution of Certificate</i>                               |

(Dr. N.P.Pathak)  
Course Director