

SANT GADGE BABA AMRAVATI UNIVERSITY AMRAVATI
Ph.D COURSE WORK

FACULTY OF HUMANITIES
SUBJECT- POLITICAL SCIENCE
RESEARCH METHODOLOGY

Teaching and Examination Scheme	
Teaching Scheme	Examination Scheme
Lectures:02 Hrs/Week	Theory: 30 Marks
Credits :02	-----
Duration :30 Hours	Total – 30 Marks

Course Objectives:

- i) To understand the role of research methodology
- ii) To understand the basic, conceptual knowledge and its application to actual research.
- iii) To understand literature review process and formulation of a research problem.
- iv) To develop the skill of understanding resources, literatures, ability to review, and capacity
- v) To explore the issues for research in humanities.
- vi) To equip with various tools and techniques of data collection, classification, verification,
- vii) Interpretation and recourse to resources for research.
- viii) To learn technical writing
- ix) To use of ICT, AI and skills required for the research
- x) To create awareness about intellectual property rights and patents

Cours Outcome

Upon successful completion of this course, the research scholar will be able to:

- O1:** Explain the concepts, principles, and significance of research methodology and apply the research process in the field of Public Administration.
- O2:** Identify research problems, formulate research questions and hypotheses, and select appropriate research designs for conducting scientific investigations.
- O3:** Apply scientific methods, measurement techniques, scaling procedures, and suitable sampling methods in social science and Public Administration research.
- O4:** Collect, process, analyze, and interpret data using appropriate qualitative and quantitative research tools such as observation, interviews, questionnaires, case studies, and secondary data.
- O5:** Prepare a systematic research report with proper data presentation, interpretation, academic writing, citation practices, and adherence to ethical standards in research.

Unit I: Introduction to Research Methodology

- 1.1) Introduction of Research
- 1.2) Meaning of Research
- 1.3) Definition of Research
- 1.4) Nature of Research
- 1.5) Characteristics of Research
- 1.6) Objectives of Research
- 1.7) Types of Research (Classification of Research) and its Meaning, Nature & Importance:
Fundamental /Pure, Applied and Action Research, Descriptive Research, Survey Study & Case study, Historical Research, Historical Criticism (Internal and External), Philosophical research
Qualitative Research, Experimental Research.
Steps & Sources; Primary & Secondary Data Research (Meaning & Types); Designs in Experimental Research (Single Group
- 1.8) Research Design- meaning and Importance
- 1.9) Meaning and Importance of Research Methodology

Unit II: Research Proposal

- 2.1) Research Proposal: Concept, Need, Importance and Types
- 2.2) Research Problem: Meaning, Types, Sources, & Importance
- 2.3) Locating the Research Problem
Criteria for Selecting Research Problem, and Evaluation of Research Problem.
- 2.4) Objectives research: Concept and Importance
- 2.5) Research variable: Meaning and Types.
- 2.6) Hypothesis/Assumption: Meaning, Need, Characteristics, Sources, Types (Null & Alternative) and Testing of Hypothesis (Parametric & Non-Parametric Test).
- 2.7) Anti Plagiarism Software use and importance

Unit III: Sampling/Population and Research Tools

- 3.1) Sampling/Population: Meaning & Definition
- 3.2) Characteristics of good sample
- 3.3) Types of Sampling (Simple, Random, Random Number, Systematic, The Stratified Random, The Area/ Cluster sampling); Non-Probability
- 3.4) Sampling Methods (Convenience Sample, Judgement Sampling, Quota Sampling, Multistage Sampling.
- 3.5) size & Errors of the samples
- 3.6) Research Tools: Meaning and Importance.
- 3.7) Types of Research Tools (Interview, Observation, Sociometric, Questionnaire, Attitude Scales- Thus ton's & Likert's Techniques, and rating Scale. Statistical Test : T,Z,Chi-Square, Anova, Use of SPSS Software, Google Form, MS-Excel, ICT, AI
- 3.8) Normal Curve: Meaning of probability; Principles & Properties of normal curve
- 3.9) Graphical Representation of data in Statistics (Scattered, Line diagram, Bar diagram, Histogram, Frequency Polygon, Ogive Curve).
- 3.10) Interpretation of data.

Correlation: Meaning of correlation, co-efficient of correlation

Unit IV: Research Proposal and Evaluation of Research Report

- 4.1) Format of Research Proposal- Preliminary Pages: Cover Page, Title page, Table of Content & other text if any.
- 4.2) Main proposal: Introduction to the title, Justification to the Research Proposal/Problem,
 - 4.3) Objectives/Purposes of the proposal, Importance/Significance of the proposal, Assumptions/Hypothesis/es, Delimitation & Limitation of the proposal, Operative Definitions of the terms, Reviews of related Literature Research Methodology and Plan of the Proposal- statistically application (if any), Proposed Analysis of Data collection
 - 4.3) Proposed Summary, Conclusions & Recommendations
- 4.4) Bibliographical part; Appendices (if any)
- 4.5) Thesis/Dissertation as Research Report
- 4.6) Title (Cover & First Inner page), Pre-pages [Ph.D. Course work completion certificate from the University, Certificate of Head of the Department/Research Center, Certificate issued by the Supervisor & Co-Supervisor (if any), Scholar's Declaration, Acknowledgement)]
- 4.7) Front Materials [Table of Content, List of Graphs/Figures/Tables & other text (if any)]
- 4.8) Main body of thesis (Introduction, Reviews, Methodology, Results & Discussion, Summary, Conclusion & Recommendations)
- 4.9) Back Materials (References and Appendices)
- 4.10) Style of writing a Thesis/Dissertation
 - Reference style: - APA, MLA, CHICAGO, Reference Management Tool Mendeley, Zotero
 - UGC Regulation 2018 (Ethics of Research)
 - 4.10)1. Evaluation of research report: Norms, Format, Language and Technical Rules.
 - 4.10)2. Paper Presentation: Abstract and full paper for presenting in a conference and to publish in Journals, Mechanics of writing Research Report, Footnote and Bibliography writing.

REFERENCE:

- 1) Booth Wayoc C. : The Craft of Research
- 2) Deshpande H.V. : Research in Literature and Language, Philosophy : Areas and Methodology
- 3) Kothari Dr. C.R.: A Guide for Researchers in Social Sciences and Management.
- 4) Kitsakorn Locharoenrat : Research Methodology for Beginners
- 5) Plant D. Leely : Practical Research

6) Rawson Dr. Catherine : 'Practical Research Methods' A User-friendly Guide to Mastering Research.

7) Ranjit Kumar : A Step-by-Step guide for Beginners

8) Stuart Melnille & Wayne Goddard : Research Methodology : An Introduction

9) Willinson David : Research Tools Kits : A Complete Guide to Practitioner Research

10) Winklison T.S. and P.L. Bhandarkar – Methodology and Techniques of Social Research, Himalaya Publishing House, Bombay.

11) Young P.V. – Scientific Social Surveys and Research

4.11)

4.12)

4.13)