

3.4.1 INCLUSION OF RESEARCH ETHICS IN RESEARCH



METHODOLOGY COURSE WORK [BA PSYCHOLOGY - 2017-2022]

St. Mira's College for Girls, Pune

Psychology Special III Research Methodology

Semester V	Subject Code: A51718	Lectures: 60
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Objectives:

- To acquaint students with the basic concepts of Research methodology
- To help students understand the basic stages in scientific research
- To acquaint students with the APA style of preparing research proposal and writing research report

Unit 1: Social scientific research

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- Meaning of research
- Characteristics of research
- Types of research-
 - Application based- Pure and Applied
 - Objectives based- Descriptive, Exploratory, Co-relational, Explanatory
 - Inquiry mode applied- quantitative and qualitative
- Research Process : An 8 step model
- Ethical principles of research

Unit 2: Quantitative methodology

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- Research problem, Hypothesis and Variables
 - Formulating a research problem- Importance, Sources , Steps, Considerations and Operational definition
 - Identifying variables- Definition and types
 - Types of measurement scales
 - Constructing hypothesis- function and characteristics, types
- Research design
 - Functions of research designs
 - Types of research designs- based on number of contacts, based on reference period, based on nature of investigation
- Sampling
 - Concept and principles of sampling
 - Factors affecting inferences drawn from samples
 - Types of probability and non probability sampling methods
- Data Processing, Editing, Developing a frame of analysis (Practical Assignments)
- Displaying data: Tables and graphs.(Practical Assignments)
- Writing a Research report -Purpose, Structure and Format- APA conventions

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Unit 3: Qualitative methodology	18
<ul style="list-style-type: none"> • Nature of qualitative research <ul style="list-style-type: none"> ○ Features ○ Steps in qualitative research ○ Main preoccupations of qualitative researcher ○ Contrast between quantitative and qualitative methodology • Positivism and critique of positivism <ul style="list-style-type: none"> ○ Feminist methodology • Methods of data collection <ul style="list-style-type: none"> ○ Ethnography and participant observation ○ Unstructured interviews/ oral history • Qualitative data analysis <ul style="list-style-type: none"> ○ Analytical induction ○ Grounded theory ○ Coding ○ Steps of interpretation • Presentation of data <ul style="list-style-type: none"> ○ Matrix ○ Charts ○ Tables • Report writing 	

***Assignments and library hours (12 hours)**

Methods of data collection- Questionnaire, Interview, Observation, Tests (Assignments)

Recommended Text Books:

- Kumar .R. (2014) Research Methodology – A step by Step guide for Beginner's (4th Ed) Pearson Education, India.
- McBurney.D.H.(2002) Research methods (5th Ed) Thomsun Woodworth , Bangalore.

Reading Material:

- Denzin Norman, Lincoln Yvonna (ed): Handbook of Qualitative Research, Sage, Thousand Oaks, 2000.
- Candland D.K Psychology: The Experimental Approach, Mc-Graw –Hill, New York.
- D'Amato (1970) Experimental Psychology Tata McGraw –Hill Ed, New Delhi
- Goodwin J.C. (2002) .Research in Psychology: Methods and design,3rd Ed, Wiley and sons Inc, New York
- Kerlinger. F.N (1995). Foundations of Behavioural research Rinehart Winston Inc.Surjit Publications, Delhi.
- Singh.A.K. (2004) Tests, Measurements and research methods in Behavioural sciences (3rd Ed), BhartiBhavan Publishers, Patna.

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