



**C. U. SHAH UNIVERSITY**  
**Wadhwan City**

**Department of Education (M.Ed.)**

**Semester: - I**

**Code: - MED01MER1**

**Name: – Methodology of Education Research-1**

**Teaching & Evaluation Scheme: -**

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme							
		Th	Tu	Pr	Total		Theory				Practical (Marks)			Total
							Sessional Exam		University Exam		Internal		University	
							Marks	Hrs	Marks	Hrs	Pr/Viva	TW	Pr	
<b>MED01 MER1</b>	<b>Methodology of Education Research-1</b>	4	0	0	4	4	30	--	70	3	---	-----	-----	<b>100</b>

**Objectives:**

**On completion of this course the students will be able to:**

1. The meaning of research, characteristic, Need & Importance and types of research in education and its implications for educational research.
2. The characteristics of Philosophical, Psychological and Sociological researches in education.
3. The different steps of Educational Research.
4. Various steps in the research processing
5. The techniques of developing a research proposal.
6. The meaning of techniques of research hypothesis & Sampling.
7. Understand type of Hypothesis and their testing
- 8..Understand type of Variables

## Methodology of Education Research-1

Unit No.	Name of the Unit	Weight age
1.	<b>Concept and nature of Research</b>	25%
	1.1 Meaning, Concept and Characteristics of Research 1.2 Educational Research: meaning, Concept, definition, importance and Characteristics of Educational Research 1.3 Types of Research <ul style="list-style-type: none"> <li>- Basic Research: Meaning, Characteristics, Limitations</li> <li>- Applied Research: Meaning, Characteristics, Limitations</li> <li>- Action Research: Meaning, Characteristics, Steps and Limitations</li> </ul> 1.4 Barriers of Educational Research, Teacher and research	
2.	<b>Areas of Educational Research&amp; Steps in Research Process</b>	25%
	2.1 Areas of Research 2.2 Steps in Research Process 2.3 Ethics in research 2.4 Review of related literature	
3.	<b>Selection of research problem and preparation of Research proposal</b>	25%
	3.1 Selection of research problem: Definition, Characteristics, Importance 3.2 Source of research problem, Steps of selection of research problem 3.3 Criteria for selection of research problem 3.4 preparation of Research proposal drafting, Sections , Steps of research Proposal and Important points for financial Support Regarding Research Proposal	
4	<b>Variables , Hypothesis and Sampling Techniques</b>	25%
	4.1 <b>Variables:</b> Variables: Definition, Types Dependent, Independent, Moderator, Intervening and Control, Operational Definition of variables 4.2 <b>Hypothesis:</b> Definition, sources and Importance of Hypothesis, Characteristics of Good Hypothesis, Various types of Hypothesis-Directional and Non Directional, and Null, Classical and practical Hypothesis, Suggestions for construction of hypothesis Criteria for constructing a Hypothesis and Criteria for Constructing and testing a Hypothesis, Limitation 4.3 <b>Sampling:</b> Concept of Population, universe, Sample and sampling frame, Need of Sampling, Characteristics of a Good Sample, various techniques of sampling (Probability Sampling: Simple random, Stratified random, Cluster, Systematic), (Non Probability Sampling: Convenient, Purposive, Quota Sampling),( Specific Sampling: Snowball, sequential, Multi Stage) 4.4 <b>Sample size,</b> Biases and Errors in sampling, Sampling Errors and how to Reduce them	

**Reference Books:**

1. Best, John W. (2005): Research in Education (10<sup>th</sup> ed.) Englewood Cliffs N.J.: Prentice Hall, Inc.
2. Borg, W.R.& Gall M.D. (2006): Educational Research – An Introduction (8th ed.) New York; Longman Inc.
3. Burroughs, G.E.R. (1975): Design and Analysis in Educational Research (2nd ed.) Oxford: Alden & Mowbray Ltd.
4. Bruce W. (2012) : Conducting Educational; Research New York : McGraw Hill Book Co.
5. Gephart W.J. & Ingle, R. B. (1969) : Educational Research (Selected Readings)
6. Patel R. S. (2010) Fundamental Concept of Research (Research Handbook): Ahmedabad, Jay Publication
7. Patel R.S. (2015) Research Methodology (3rd ed. Gujarati Version), Ahmedabad, Jay Publication.
8. Patel R.S. (2015) Research Methodology (1st ed. English Version), Ahmedabad, Jay Publication.
9. Patel, R.S.: February- 2012 Statistical Techniques for Data Analysis, (For all disciplines) (International Version), First Edition, LAP LAMBERT Academic Publishing GmbH & Co. KG DudweilerLandstr. 99, 66123 Saarbrücken, Germany.
10. Patel, R.S. : November-2011 Research Handbook, (For all disciplines) (International Version), First Edition, LAP LAMBERT Academic Publishing GmbH & Co. KG DudweilerLandstr. 99, 66123 Saarbrücken, Germany.
11. Desai H.G. (1979) : Style Manual For Dissertation / Theses Rajkot, Saurashtra University.