

SARDAR PATEL UNIVERSITY
Programme: Master of Education
Semester: II
Syllabus with effect from: June 2013

Paper Code: PE02CMED02	Total Credits: 4
Title Of Paper: Methodology of Educational Research	

Unit	Description in detail	Weightage (%)
1	Sampling Procedure: Population and sample Importance of the Sampling Characteristics of a good sample Types of Sampling-Random, Stratified random, Systematic, Cluster, Purposive and Incidental sampling. Sample size, important considerations in determining sample size and estimating needed sample size. Common and Occasional mistakes in sampling.	25 %
2	Tools of and Techniques of Data Collection: Characteristics of a good research tool. Types of tools and techniques and their uses. <ul style="list-style-type: none"> • Questionnaire • Standardized tests-characteristics, Major types, selection and use. Scales Rating Scale, Attitude Scale. Inventories-Interest, Personality Interview Observation Check list Sociometric techniques	25 %
3	Methods of Data Analysis: Nature of educational data qualitative & Quantitative Scales of measurement-Nominal, Ordinal, Interval Ratio Descriptive and Inferential Statistics Testing of null hypotheses – types of error <ul style="list-style-type: none"> • Parametric test: t-test and F-test (ANOVA) • Non parametric test: Chi-Square, Median test, Sign test. Co relational techniques\ Rank difference, Product moment Bi-serial, Point bi-serial, Tetrachoric Coefficient of Correlation Regression equation	25 %
4	Writing Research Report: Format of research report Preliminary Section Main body of the report Bibliography and Appendices	25 %

Basic Text & Reference Books:

- Best, John W. research in Education Englewood Cliffs; N.J. Prentice Hall, Include 1978 Borg, W.R. & Gall MD. Educational Research-An Introduction (Third edition) New York: Longman Inc. 1979.



- Bruce, W. Conducting Educational Research (Second Edition) New York: Harcourt Brace Jovernovich, Inc. 1978.
- Burroughs, G.E.F. design and Analysis in Educational Research (Second Edition) Oxford: Alden & Mawbray Lte. 1975.
- Desai, H.G. Style Manual for Dissertation/Theses. Rajkot: Saurashtra University, 1979 Cephart, W.J. & Ingle, R.B. Educational Research (Selected Readings) Ohi: C.E. Merrill Publishing Co. 1969.
- Gilbert S. Foundations of Educational Research, Englewood, Clifffic New Jersey: Prentice-Hall Inc. 179.
- Good Carter V. and Scates Douglas E. Methods of Research Educational, Psychological, Sociological, New York. Appleton Century Crofts, Inc. 1954.
- Good, W.J. Hatt P.K. Methods in Social Research New York: MC-Graw Hill Book Co. 1952
- Hyman H.H. Survey: Design and Analysis, Principles, cases. Procedures, New York: The Free Press. 1955.
- Kerlinger F.N. Foundations of Behavioural Research: Educational and Psychological Inquiry. New York: Hlt and Rinehast and Winosn, Inc. 1983.
- Koul, Lokesh, Methodology of Educational Research, New Delhi: Vani Educational Books, 1984
- levin, J. Elementry Statistics in Social Research. (Second Edition) New York: Harper & Row Pub., 1977.
- Lynch, M.D. & Huntsberger, D. V. Elements of Statistical Inference for Education and Psychology, Allyn and Bacon, Inc. 1976.
- Rummel, J.F. An Introduction to Research Procedure in Education. (2nd ed.) New York: Harper & Row Publishers, 1964.
- Sukhia, S.P. Mehrotra, P.A. and Mehotra, R.N. Elements of Educational Research (2nd ed. New Delhi: Allied Publishers, 1966.
- Travers, R.M.V. An Introduction to Educational Research (Third Edition) London: The Macmillan Co. 1969.
- Tuckman, B.W. Conducting Educational Research (Second Edition) New York: Harcourt Brace Jovenovich, Inc. 1978.
- Van dalen, D.B. and Mayer, William J. Understanding Educational Research an Introduction New York: MC Graw Hill Book Company, 1979.
- ઉચાટ ડી.એ. સામાજિક શાસ્ત્રોમાં સંશોધન સમસ્યા પસંદગીના સૈધ્ધાંતિક અને વ્યવહારુ આધારો રાજકોટ, પારસ પ્રકાશન ૧૯૯૭
- ઉચાટ ડી. એ. જોષી એચ. ઓ. દોંગા, એન. એસ. અને અંબાસણા એ.ડી. સંશોધન અહેવાલનું લેખન શી રીતે કરશો? રાજકોટ નિજિજન સાયકો સેન્ટર ૧૯૯૮.
- દેસાઈ એ. ત્ર. અને દેસાઈ કે. ત્ર. સંશોધન પદ્ધતિઓ અને પ્રવિધિઓ અમદાવાદ : યુનિવર્સિટી ગ્રંથનિર્માણ બોર્ડ, ગુજરાત રાજ્ય, ૧૯૮૯
- દેસાઈ એચ. ત્ર. અને ત્રિવેદી એમ. ડી. (સં) શૈક્ષણિક સંશોધનની રૂપરેખા રાજકોટ : સૌરાષ્ટ્ર યુનિવર્સિટી, ૧૯૮૨
- જોષી એચ. ઓ. કસોટી સંરચના રાજકોટ : ડા. એચ. ત્ર. દેસાઈ મેમોરીયલ એજ્યુકેશન ટ્રસ્ટ ૧૯૯૧
- ઉચાટ ડી. એ. (૧૯૯૮) સંશોધન વિમર્શ : રાજકોટ : શાંત, ૩ ટાગોર પાર્ક સામે સંશોધની વિશિષ્ટ પદ્ધતિ.

