



Children's University
School of Nutrition and Health
Department of Home Science
Gandhinagar

**ACADEMIC
YEAR
2020-21**

M.Phil Home Science

Year	I	Course Type: Core Course Course No: MHC-201 Course Title: Research Methodology-II	Credits	4(4+0)
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Semester	I		Hours/wk	4
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Objectives	<ul style="list-style-type: none">• To understand the significance of statistics and research methodology in Home Science research• To understand the types, tools and methods of research and develop the ability to construct• Data gathering instruments appropriate to the research design.• To understand and apply the appropriate statistical techniques for the measurement scale and Design.
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UnitI	Scientific writing as a means of communication and Outlines <ul style="list-style-type: none">• Different forms of scientific writing• Articles in journals• Research notes and reports• Review articles• Monographs• Dissertation• Bibliography• Book chapters and articles• Concept of outline• Importance of outlines• Objectives of outline• Types of outlines
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<p>Unit II</p>	<p>General principle of writing and Dissertation/ Research reports/ Thesis</p> <ul style="list-style-type: none"> • preparing a text for submission and publication • Drafting • Outline • Proof reading • Brevity and precision • concepts of preface • notes (end and footnotes), glossary • prologue and epilogue • appendix • bibliography (annotated) and references cited • review and index • Introduction • Review of literature • Research design • Results and discussion • Summary • Abstracts • References/ bibliography • Justification and recommendations
<p>Unit III</p>	<p>Writing for Grants</p> <ul style="list-style-type: none"> • The question to be addressed • Rational, importance and justification • Empirical and theoretical frame work • Pilot study • Research proposal • Research design • Stage wise organization of study • Expected outcome and importance • Available infrastructure and resources • Budgeting • Executive Summary

<p>Unit IV</p>	<p>Statistical Methods</p> <p>Testing of Hypothesis</p> <ul style="list-style-type: none"> • Typr I and Type II errors • Levels of Significance <p>Parametric –Small and Large sample test</p> <ul style="list-style-type: none"> • Chi square test • Independence of Attributes 2x2 and rxc contegency tables <p>Student 't' test and F test Correlation, coefficient of correlation</p>
	<p>References:</p> <ol style="list-style-type: none"> 20. APA (1994). Publication Manual of American Psychological Association (4th Edition), Washington: APA. 21. Copper, H.M. (1990). Intergrating research: A guide for literature reviews (2nd Edition). California: Sage 22. Dunn, F.V. & Others. (Ed.) Disseminating research: Changing practice, N.Y. Sage 23. Harman, E & Montages, I. (Eds.) (1997). The thesis and the book, New Delhi : Vistar. 24. Locke, L.F. and others (1987). Proposals that work: A guide for planning dissertations & Grant proposals (2nd Ed.) Beverly Hills: Sage. 25. Richardson, L. (1990). Writing strategies. Reaching diverse audience, California :Sage. 26. Stemberg, R. J. (1991). The psychologist's companion: A guide to scientific writing for students & researchers. Cambridge: CUP. 27. Thyer, B.A. (1994). Successful publishing in scholarly journals. California: Sage. 28. Wolcott, H.F. (1990). Writing up qualitative research, Newbury Park: Sage 29. સંશોધન પદ્ધતિ અને પ્રવીણિઓ ડૉ .હરિભાઈ જી દેસાઈ યુનીવર્સિટી ગ્રંથ નિર્માણ બોર્ડ 30. આંકડાશાસ્ત્રીય અનુમાન અનુ .પ્રી .જી .સી .પટેલ યુનીવર્સિટી ગ્રંથ નિર્માણ બોર્ડ 31. પ્રયુક્ત આંકડાશાસ્ત્ર આર ટી .રતાણી યુનીવર્સિટી ગ્રંથ નિર્માણ બોર્ડ 32. શિક્ષણમાં આંકડાશાસ્ત્ર ડૉ .ભગવાનલાલ યુ .પારેખ યુનીવર્સિટી ગ્રંથ નિર્માણ બોર્ડ