SARDAR PATEL UNIVERSITY
Programme: M.Sc (Home Science)
Subject: Family Resource Management
Semester: III
Syllabus with Effect from: June - 2013

Paper Code:PH03CHSC01	Total Credit: 4
Title Of Paper: Research Methodology & Scientific Writing	

Unit	Description in detail	Weightage (%)
I	**Research Methodology-** Introduction, meaning of research, definition, characteristics and function, objectives, classification and kinds of research. **Research Problem-** Introduction, selecting the problem, defining the problem, sources of problem, Criteria for selection of the problem, delimiting a problem, assumptions about a problem, evaluating the problem.	
II	**Foundation of Hypothesis-** Meaning, definitions; assumption, postulate and hypothesis; nature of hypothesis Functions, importance, kinds, characteristics of a good hypothesis, variables in a hypothesis, sources of hypothesis, testing of hypothesis **Research Plan/Design and Sampling-** Meaning and definition of plan/design, design format Meaning and definition of sampling, functions of population and sampling, types of Sampling designs, characteristics of a good sample, application of sampling technique in various types of researches.	
III	**Types of Researches-** Survey, historical, philosophical, experimental, case study, genetic **Design of Experiments-** Need and purpose, importance, characteristics of good experimental design, basic principles, types of basic experimental design	
IV	**Tools of Research-** Questionnaire, schedule, rating scale, tests **Collection of Data-** Need, meaning, nature; constants, variables, variate; characteristics of quantitative data, types of data, data collection, organization of data.	
V	**Research Report and Proposal Writing-** Need of research report, format of research report (preliminary section, main section and reference section), mechanics of report writing Writing Research Abstract Writing research Paper Need of research proposal for dissertation of PhD to get funds from various sources	