# SARDAR PATEL UNIVERSITY
## Programme: M.Sc (Home Science)
## Subject: Human Development
## 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**<br>Introduction, Meaning of Research, Definition, Characteristics & Function, Objectives, Classification & Kinds of Research.<br>**Research Problem**<br>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**<br>Meaning, Definitions, Assumption, Postulate & Hypothesis, Nature of Hypothesis Functions, Importance,Kinds,Characteristics of a Good Hypothesis, Variables in a Hypothesis ,Sources of Hypothesis, Testing of Hypothesis.<br>**Research Plan / Design & Sampling**<br>Meaning & Definition of Plan/Design, Design Format.Meaning & Definition of Sampling, Functions of Population & Sampling, Types of Sampling Designs, Characteristics of a Good Sample, and Application of Sampling Technique in Various Types of Researches. | |
| III | **Types of Researches**.<br>Survey, Historical, Philosophical, Experimental, Case Study, Genetic.<br>**Design of Experiments**.<br>Need & Purpose, Importance, Characteristics of Good Experimental Design, Basic Principles, Types of Basic Experimental Design. | |
| IV | **Tools of Research**<br>Questionnaire, Schedule, Rating, Scale, Tests.<br>**Collection of Data**<br>Need, Meaning, Nature, Constants, Variables, Variate, Characteristics of Quantitative Data, Types of Data. Data Collection, Organization of Data. | |
| V | **Research Report & Proposal Writing**<br>Need of Research Report, Format of Research Report (Preliminary Section, Main Section & Reference Section), Mechanics of Report Writing.<br>Writing Research Abstract<br>Writing Research Paper<br>Need of Research Proposal for Dissertation of Ph.D..to Get Funds from Various Sources. | |