

**Semester:VII****Course no:611****Introduction to Research Methodology****Credit Hours:3****Total Periods=60****1 Period= 45min**

<b>S.No</b>	<b>Topics</b>	<b>Main Points</b>	<b>References</b>	<b>Periods</b>
1	<b>Nature of Research</b>	<ul style="list-style-type: none"><li>• Definitions of Research</li><li>• Functions &amp; Characteristics of Research</li><li>• Nature of Research; basic research, applied research</li></ul>	1,2,3,4	4
2	<b>Types of Research</b>	<ul style="list-style-type: none"><li>• Historical Research; definition, sources of data, historical criticism. Writing the historical.</li><li>• Experimental Research; definition, experimental design, variables; types of variables.</li><li>• Descriptive Research; definition, characteristics, ex post facto, secondary analysis, meta analysis.</li><li>• Qualitative descriptive research; definition, themes, strategies; document &amp; content analysis, case study, ethnography. Data collection techniques; observation; dimensions of observation. Interview; types of interview. Data analysis</li></ul>	1	14
3	<b>Planning the Research Project</b>	<ul style="list-style-type: none"><li>• Purpose of scientific research in home economics</li><li>• Purpose of specific research studies</li><li>• Selection of the problem; introduction, sources of the problem, consideration in selecting a research problem, steps in formulation of research problem.</li><li>• Research proposal; the statement of the problem, significance of the problem, definitions, assumptions, limitation &amp; delimitation, review of related literature, the hypothesis, methods, time schedule.</li><li>• Formulating &amp; testing hypothesis; definition, functions of hypothesis, characteristics of hypothesis, types, formats of hypothesis.</li></ul>	1,2	8
4	<b>Techniques &amp; Tools of Data Collection</b>	<ul style="list-style-type: none"><li>• Reliability of research tools; definition, types.</li><li>• Validity of research tools; definition, types.</li><li>• Observation; definition , validity &amp; reliability of observation, recording observation, systematizing data collection, characteristics of good observation.</li></ul>	1,2	14

		<ul style="list-style-type: none"> <li>• Interview; definition, validity &amp; reliability of interview, advantages &amp; disadvantages of interview.</li> <li>• Questionnaire; definition, types, advantages &amp; disadvantages of questionnaire.</li> <li>• Other methods; psychological test &amp; inventories, achievement test, aptitude test, interest inventories, personality inventories, project devices.</li> </ul>		
5	<b>Research Agencies Conducting Research in Pakistan</b>	<ul style="list-style-type: none"> <li>• List of agencies.</li> </ul>		1
6	<b>Research in Home Economics</b>	<ul style="list-style-type: none"> <li>• One research from each department of home economics.</li> </ul>	Journals & thesis	2
7	<b>Writing the Research Report</b>	<ul style="list-style-type: none"> <li>• General rules for writing; style of writing, typing the report, reference forms, pagination, tables, figures.</li> <li>• Formats &amp; style</li> <li>• Revising &amp; rewriting the project</li> <li>• Thesis in research.</li> </ul>	1,2 & handout	10

### **BOOKS RECOMMENDED**

1. Research in Education By John W Best.
2. Research Methodology By Ranjit Kumar.
3. Educational Research By W.M.Zaki
4. Introduction to Educational Research By Carter V Good

### **Marking Scheme: Introduction to Research Methodology**

<b>Exams</b>	<b>Total Marks100</b>	<b>Objectives</b>	<b>Subjective</b>
Mid Term	40	60%-80%	20%-40%
Final Term	60	60%-80%	20%-40%