

**TRAINING COURSES ON RESEARCH METHODOLOGY**  
**SOCIAL SCIENCES BATCH**  
**COURSE OUTLINE**

<b>WEEK</b>	<i>LECTURE TITLES</i>	<i>TOPICS</i>	<i>Lecture/Practical (Hours)</i>
<b>1</b>	<b>Introduction to Research Perspectives</b> <b>Varieties Research in Environmental Management</b>	<ul style="list-style-type: none"> <li>• Definition of Research</li> <li>• Importance of Research Methodology</li> <li>• Research Process</li> <li>• Hallmarks of Good Research</li> <li>• Research Perspectives</li> </ul>	<b>3 h L/P</b>
<b>2</b>	<b>Defining the Research Problem - Hypothesis, Research Objectives, Research Questions, Research Proposals</b> <b>Selecting a Topic</b>	<ul style="list-style-type: none"> <li>• The Problem Formulation</li> <li>• Research Problem &amp; Problem Statements</li> <li>• Research Questions</li> <li>• Research Objectives</li> <li>• Hypothesis Development</li> <li>• Research Proposal</li> <li>• Components of Research Proposal</li> <li>• Research Topic</li> <li>• Identifying a Topic</li> <li>• Selecting a Research Topic</li> <li>• Narrowing Research Topic</li> <li>• Tips for Choosing a Research Topic</li> </ul>	<b>3 h L/P</b>
<b>3</b>	<b>Group discussion for finalising the topic for major project work</b> <b>The Literature Review</b>	<ul style="list-style-type: none"> <li>• Literature Review</li> <li>• Purpose of Literature Review</li> <li>• Steps in Reviewing Literature</li> <li>• Steps in Writing Literature Review</li> </ul>	<b>3 h L/P</b>
<b>4</b>			
<b>5</b>	<b>Types of Research Approaches – Qualitative Approach</b>	<ul style="list-style-type: none"> <li>• Definition of Qualitative Research</li> <li>• Types of Research most suited to Qualitative Research</li> <li>• The Individual Depth Interview</li> <li>• Group Discussions</li> <li>• Projective Techniques</li> <li>• Technological Developments in Qualitative Research</li> </ul>	<b>3 h P</b>

<b>WEEK</b>	<i>LECTURE TITLES</i>	<i>TOPICS</i>	<i>Lecture/Practical (Hours)</i>
6	<b>Types of Research Approaches – Quantitative Approach</b>	<ul style="list-style-type: none"> <li>• Definition of Quantitative Research</li> <li>• Different Types of Survey Methods</li> <li>• Face-To-Face Methods</li> <li>• Telephone Interviews</li> <li>• Self-Administered Survey</li> </ul>	<b>3 h L/P</b>
7	<b>Instrument Design</b>	<ul style="list-style-type: none"> <li>• Questionnaire Objectives</li> <li>• Questionnaire Design Process</li> <li>• Choosing Question Structure</li> <li>• Choosing Question Wording</li> <li>• Determining Order of Question</li> <li>• Questionnaire Design Checklist</li> </ul>	<b>3 h L/P</b>
8	<b>Presentations</b>	<ul style="list-style-type: none"> <li>• <b>Lectures 1 – 7</b></li> </ul>	<b>3 h</b>
9	<b>Qualitative Analysis (SPSS)</b>	<ul style="list-style-type: none"> <li>• Qualitative Analysis</li> <li>• The Credibility of Qualitative Analysis</li> <li>• Principles of Analysing Qualitative Data</li> <li>• Common Approaches– Qualitative Analysis</li> </ul>	<b>3 h L/P</b>
10	<b>Quantitative Analysis (SPSS)</b>	<ul style="list-style-type: none"> <li>• Data Coding &amp; Data Entry</li> <li>• Tabulation and Statistical Analysis</li> <li>• Frequency Distribution</li> <li>• Hypothesis Testing</li> <li>• Measuring Relationships</li> <li>• Correlation and Regression Analysis</li> </ul>	<b>3 h L/P</b>
11	<b>Interpreting Data (SPSS)</b>	<ul style="list-style-type: none"> <li>• First Order Analysis</li> <li>• Second Order Analysis</li> <li>• Third Order Analysis</li> <li>• Frequency Distribution</li> </ul>	<b>3 h L/P</b>
12	<b>Report Writing</b>	<ul style="list-style-type: none"> <li>• Understanding the Audience</li> <li>• The Research Report Format</li> <li>• The Oral Presentation Format</li> <li>• Using Tables and Graphs</li> <li>• Common Mistakes To Avoid</li> <li>• Presentation on the Internet</li> </ul>	<b>3 h L/P</b>
13	<b>Ethics in Research</b>	<ul style="list-style-type: none"> <li>• Research Ethics</li> <li>• Research Ethical Frameworks</li> <li>• Ethical Considerations</li> </ul>	<b>3 h L</b>
14	<i>Review/support for final project work</i>		<b>3 h P</b>

<b>15</b>	<b>Panel Discussion</b>		<b>3 h</b>
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