

**Mahatma Gandhi University, Meghalaya**  
**Ph.D. Course Work Syllabus**  
**Sociology-2024**

<b>S. No.</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Credit</b>
1.	<b>SOC-101</b>	Research Methodology	4 credits
2.	<b>SOC-102</b>	Review of Literature	2 credits
3.	<b>SOC-103</b>	Computer Applications	3 credits
4.	<b>SOC-104</b>	Advanced Paper of Sociology	3 credits
5.	<b>SOC-105</b>	Research Publication and Ethics	2 credits
		<b>Total Credit</b>	<b>*14 Credits</b>

**\*As per Regulation Minimum 12 Credits are required.**

**Paper I: Research Methodology- 4 Credits**

**Course Objectives**

1. Provide foundational knowledge of research concepts, processes, and designs.
2. Differentiate between qualitative and quantitative research methods and their applications.
3. Equip students with tools and techniques for data collection and sampling.
4. Introduce statistical techniques for data analysis, hypothesis testing, and interpretation.
5. Develop skills in presenting research findings through reports, proposals, and graphical representations while emphasizing ethical considerations.

**Unit I**

Definition, Concept, Types, Importance, of Research, Formulation of Research problem, Research process, Research design.

**Unit II**

Qualitative and Quantitative research, Measurements of Scales, Sampling Vs Census, Types of samples; Probability and Non Probability methods.

**Unit III**

Data collection tools; Primary Data; Observation, Questionnaire, Interview Schedule and Interview and Secondary Data.

**Unit IV**

Hypothesis, Types of Hypothesis, Testing of hypothesis, , Test of significance for small and large samples, Parametric and Non-parametric tests.

## **Unit V**

Application of Statistical techniques in Research, Measures of central Tendency, Dispersion, Simple correlation, Simple Regression, Normal Distribution, Skewness

## **Unit VI**

Diagrammatic and Graphical presentation  
Report Writing, Research Proposal, Ethics in Research and Presentation Techniques

**\*Note: Subject wise Research Methodology will be taught with Respective Papers.**

### **References:**

1. Kothari, C. R., & Garg, G. (2019). *Research methodology: Methods and techniques* (4th ed.). New Age International Publishers.
2. Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). SAGE Publications.
3. Kumar, R. (2020). *Research methodology: A step-by-step guide for beginners* (5th ed.). SAGE Publications.
4. Kinnear, P. R., & Gray, C. D. (2010). *SPSS for Windows made simple* (6th ed.). Psychology Press.
5. Babbie, E. (2020). *The practice of social research* (15th ed.). Cengage Learning.

## **Paper II: Review of Literature- 2 Credits**

## **Paper III – Computer Applications- 3 Credits**

### **Course Objectives:**

1. Provide foundational knowledge of computers, including their configuration, types, hardware, software, and networks.
2. Equip students with practical skills in widely used applications like MS Word, MS Excel, and MS PowerPoint for academic and professional tasks.
3. Introduce SPSS as a tool for statistical data analysis in research.
4. Develop the ability to use computer applications for data presentation, research, and effective communication.
5. Foster understanding of the role of computers in social science research and ethical considerations in their application.

## **Unit I: Introduction: Basics of Computer**

What is Computer?, Computer Block Diagram, Generations, Languages, Characteristics of a Computer, Benefits, Types of a Computer, Configuration of a Computer System, Hardware & Software, Operating System & its Functions, Input Devices, Output Devices, Memory, Number System, Binary, Decimal, Octal, Hexadecimal, Compiler, Interpreter, Introduction of Computer Networks, Network Models, Introduction of Database, Role of Computer in Social Science Research & Word Processor.

## **Unit II: MS-Word**

Basics:- New, Open Save, Save As, Cut, Copy, interface, Paste, Paste Special, Format Printer Operations, Style, Size, Font, Subscript, Superscript.

Insert:-Hyperlink, Header, Footer, Page Number, Table, Chart.

Page Layout:-Page Setup, Margins, Orientation, Watermark, Indent, Spacing.

References:-Footnote, Endnote, Citations & Bibliography, Captions.

Mailings:-Mail Merge, Review:-Spelling & Grammar, Thesaurus, Comment, Compare, Protect Document, View:-Document Views, Show/Hide, Zoom, Windows

## **Unit III: MS-Excel**

Basic:- Cell, Worksheet, Workbook, interface, spreadsheet, rearranging workbook, New, open, save, save As, Cut, Copy, Paste, Paste Special, Size Font, Find, Replace, page Setup, page security, Printing options, Page setting, Orientation, Size Wrap text, Merging of cells and columns, sorting, formulas, filtering, tables, charts, working with functions.

## **Unit IV: MS Power Point**

Basic:- New, open, save save As, Cut Copy, interface, Paste, Paste Special, Size, Font, Numbering & Bullets, Margin, Find, Replace, Slides, Slides Layout, Designs, Slide Setup Animation: - Different types of animations apply on the Slides, text, objects, Different custom animations, Entrance, Emphasis, exit, motion path. Set Slides Navigations on mouse click, automatic, manual.

Slide Show: - Slide show, Custom Slide show, Slide sorter.

## **Unit V: SPSS**

SPSS Introduction, Windows:-Data Editor, Output Viewer, Syntax Editor, Script Window, Method of Preparing Data Sheet and Entering Data, SPSS Importance in Research.

## **References:**

1. Sinha, P. K., & Sinha, P. (2020). Computer fundamentals (6th ed.). BPB Publications.
2. Nelson, S., & Walkenbach, J. (2021). Microsoft Excel 365 Bible: The Comprehensive Tutorial Resource (3rd ed.). Wiley.
3. Lambert, J., & Frye, C. (2021). Microsoft Word Step by Step (1st ed.). Microsoft Press.
4. Pallant, J. (2020). SPSS survival manual: A step by step guide to data analysis using IBM SPSS (7th ed.). Routledge.
5. Shufflebotham, M., & McFarland, S. (2021). Microsoft PowerPoint Step by Step (1st ed.). Microsoft Press.

## **Paper IV: Advanced Paper of Sociology- 3 Credits**

### **Course Objectives:**

1. Understand the meaning, nature, and types of sociological theory and its relationship with research.
2. Analyze social structure through structuralism and concepts like social anomie.
3. Examine conflict theories and symbolic interactionism through key thinkers.
4. Explore phenomenology, neo-functionalism, and neo-Marxism in sociological thought.
5. Study modernity, postmodernity, middle-range theory, and ethnomethodology.

### **Unit-I**

1. Sociological Theory
2. Meaning of Sociological Theory and its Nature.
3. Types of Sociological theory
4. Relationship between Theory and Research Sociological

### **Unit-II**

1. Social Structure
2. Structuralism: Brown, Parsons, Nedal
3. Concept of Social Anomie

### **Unit-III**

1. Theory of Conflict: Karl Marx Darhendorf, Coser
2. Symbolic Internationalism: Cooley, Mead, Blumer

### **Unit-IV:**

1. Phenomenology
2. Neo functionalism and Neo Maximum
3. Alexzender, Habermas, Althusser

### **Unit-V**

1. Modernity and Post Modernity
2. Middle Range Theory
3. Ethnomethodology

### **References:**

1. Alfred Schutz Collected Papers Vol II
2. Coser Lewis- The function of social Conflict free press Glencoe 1956
3. Parsons Talcott- Structure of Social Action
4. Mc-Graw-Hill 1937, The Free Press New York ed. 1949.

## **Paper V: Research Publication and Ethics- 2 Credits**

### **Unit I: Philosophy and Ethics**

1. Introduction to Philosophy
2. Origin of Philosophy
3. Characteristics of Philosophy
4. Common sense and Philosophy
5. Relationship between Philosophy & Science

### **Unit II: Scientific Conduct**

1. Integrity and Ethics
2. Ethics with Respect to Science & Research
3. Intellectual Honesty & Research Integrity: Scientific Misconducts & Redundant Publications
4. Selective Reporting and Misrepresentation of data

### **Unit III: Publication Ethics**

1. Publication Ethics,
2. Best Practices/Standards Setting
3. Initiatives & Guidelines: COPE, WAME etc.
4. Conflict of Interest; Publication Misconduct
5. Violation of Publication Ethics, Authorship and Contributorship;
6. Identification of Publication Misconduct, Complacent & Appeals
7. Predatory Publishers & Journals

### **Unit IV Open Access Publishing and Publication Misconduct**

#### **Open Access Publishing**

1. Concept of OER
2. Concept of open license
3. Open access publishing
4. Open access content management

#### **Publication Misconduct**

1. Ethical issues in various Disciplines
2. Fabrication, Falsification and Plagiarism (FFP)
3. Authorship : Definition and types
4. Conflict of Interest
5. Complaints and Appeals
6. Software Tools

## **Unit V: Database and Research Metrics**

1. Indexing Databases
2. Citation Databases: Web of Science, Scopus, Google Scholar
3. Metrics: h-index, g-index, i10 index, Almetrics
4. Understanding Citation Metrics for Quality Research: Impact & Visualization Analysis
5. Exploring the Citation Network
6. Rules & Tools

UGC Regulations 2018 on Academic Integrity: UGC Regulations-Meaning & concept  
Legal Provisions

## **Books and References:**

1. Bird,A. (2006). Philosophy of Sciences. Routledge
2. MacIntyre, Alasdair (1967). A Short History of Ethics. London
3. P.Chandah. (2018). Ethics in Competitive Research: Do not get Scooped; do not get plagiarized.
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009)., National On being a Scientist: A guide to responsible conduct in Research : third edition, National Academies Press