

SYLLABUS

Course Code	CM010105
Title of the Course	METHODOLOGY FOR SOCIAL SCIENCE RESEARCH
Semester	One
Type	Core
Credits	4
Hours	5 per week and Total 90

Objective of the Course:

To enable a learner to understand properly the concepts of research methodology, equip them to prepare a research design and carry out research in systematic and scientific manner.

Course Outcome No	Expected Course Outcome	Cognitive Level	Programme Specific Outcome Linkage
1	Develop a thorough understanding about the basic concepts of social science research.	Understanding	PSO3, 5
2	After completing this module, the learner should be able to formulate a research design.	Understand and evaluate	PSO3, 5
3	After studying the theoretical aspects of sampling design, the learner should be able to draw a sampling design.	Understanding	PSO3, 5
4	Detailed knowledge about the instrument development, its validation and different forms of scaling.	Evaluate	PSO3, 5
5	Understand the technique of research reporting.	Understand and Apply	PSO3, 5

Unit wise arrangement of the course

Module No.	Unit No.	Unit Wise Contents	Remarks
Module 1- Social Science Research an Introduction- 15 hours			
	1.1	Research: Meaning-Significance-Objectives- Brief history of Social Science Research - Positivism and post positivism.	Short questions

1	1.2 ✓	Types of research - research methods vs methodology.	Short questions and short essays
	1.3 ✓	Research Process.	Short questions and long essay

Module 2- Research problem and Design – 20 hours

2	2.1 ✓	Research Problem- Nature-formulation of research problem – Sources of identifying research problems – Techniques involved in defining a problem.	Short questions short essays, long essay
	2.2 ✓	Review of Literature – Need for review - Identifying Research Gaps.	Short questions and short essays
	2.3	Research design- Meaning, need, types of research design – features of a good design.	Short questions and short essays, long essay
	2.4	Designs for exploratory research- Design for descriptive research – Experimental designs.	Short questions and short essays
	2.5	Variables-dependent, independent - extraneous variables-moderating variable- intervening variable-dichotomous variable.	Short questions, short essays, long essay
	2.6 ✓ SENNA	Research proposal -Research hypothesis- Sources of hypotheses- Types of hypotheses.	Short questions and short essays

Module 3- Sampling Design – 15 hours

3	3.1 ✓	Census and sample survey- Meaning and definition of sampling design - Sample frame- Adequacy of sample size.	Short questions, short essays, long essay
	3.2 ✓	Methods of sampling—Random sampling- non random sampling.	Short questions, short essays, long essay
	3.3 ✓	Case study as a research strategy- Case study designs – Case study protocol- Pilot study.	Short questions, short essays, long essay

Module 4- Instrument development and data collection- 25 hours

	4.1	Data- types of data- - Methods of data collection.	Short questions, short essays, long essay
	4.2	Instrument development – Components of an instrument – Steps in the instrument construction process.	Short questions, short essays, long essay

4	4.3	Concept of Measurement – Level of measurement – Nominal - interval - ordinal – ratio.	Short questions, short essays, long essay
	4.4	Different types of scales – Rating Scale – Numerical Scale – Graphic Scale -Attitude Scale – Likert Response Scale.	Short questions, short essays, long essay
	4.5	Concept of validity and reliability- Face Validity – Construct validity – Content validity – Criterion Validity (Brief study only).	Short questions, and short essays
	4.6	Internal consistency and reliability – Methods for establishing evidence for reliability – eye balling – percentage and proportion of agreement – approaches using a statistical test of correlation – test retest reliability – Parallel forms of reliability (Brief study only).	Short questions and short essays
	4.7	Internal consistency reliability – Methods of testing internal consistency – Average inter item and average item to total correlation – Split half method – Cronbach alpha (Brief study only).	Short questions and short essays

Module 5- Interpretation and Research reporting- 15 hours

5	5.1	Analysis and Interpretation – meaning – need – techniques of interpretation – precautions. <i>(Detailed study of Tools and problems excluded)</i>	Short questions and short essays
	5.2	Significance -Characteristics of a good research report – Steps in report writing – Layout of research report -Types of report.	Short questions, short essays, Long essays
	5.3	Citing references using APA style -Plagiarism – Consequences of plagiarism.	Short questions and short essays