


**University of Rajasthan
Jaipur**

SYLLABUS

**PG Diploma in
Research Methodology**

Examination – 2022-23

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Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

PG Diploma in Research Methodology

About the Course:

The PG Diploma course on Research Methodology is a one year course offered by the Department of Sociology, Faculty of Social Sciences, University of Rajasthan, Jaipur on a self-finance basis.

Duration of Course:	One Year
No. of Students:	30
Eligibility Criteria:	Graduation in any discipline
Course Fee:	10000/-

Eligibility: Graduation from a recognized University with 55 % in aggregate or equivalent CGPA. Students enrolled in PG can also join the course. Reservation policy will be as per the University of Rajasthan.

Course Objective:

The course will outline the fundamentals of understanding and doing research, aimed primarily, but not exclusively, at the postgraduate level. Focussing on advanced concepts of research methodology, the course aims at developing the requisite skills for pursuing the most appropriate methodologies for research studies. A good research needs not merely conceptual capabilities, but also a thorough command of methodological strategies and techniques, including basic knowledge of computers and statistical packages. Sound expertise and versatility in research methodology enable a researcher to undertake, with confidence, research on different issues and problems, which require highly specific designs and techniques.

The course is designed to impart research skills to beginners and help improve the quality of research of existing researchers. The course's components include activities such as attending workshops, hands- on sessions with computers and software packages, reading and comprehending course material, problem- solving and assignment writing.

Course structure:

Paper Code	Papers	Internal	External	Total Marks
PGDRM001	Foundations of research	20	80	100
PGDRM002	Formulating Research design	20	80	100
PGDRM003	Data collection methods and Data Analysis	20	80	100
PGDRM004	Research writing & Publication	20	80	100
PGDRM005	Project work	20	80	100

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Dr. J. K. Saxena, Secretary
All India Council for Technical Education

Detailed syllabus

PGDRM001: Foundations of Research:

Unit 1: Basics of research:

- Characteristic, objectives and relevance of research
- Philosophy of Science
- Research Methodology as a branch of knowledge

Unit 2: Statement of Problem/Formulating a research problem:

- The research problem and its importance
- Selection and Sources of research problem
- Formulation of objectives
- Pre-testing & Pilot Survey

Unit 3: Types of Research :

- Survey Research
- Qualitative and theoretical Research
- Case Studies
- Ethnography
- Phenomenology
- Ground Theory
- Education Research
- Content Analysis
- Digital Ethnography

PGDRM002: Formulating Research design:

Unit 1: Conceptualising research design

- The definition of research design
- The purposes of research: Exploration, Description, Explanation
- The cross sectional study design
- The longitudinal study design
- The experimental and non-experimental study design
- Formulating research design

Unit 2: Constructing Hypotheses

- The definition of hypotheses
- Hypothesis & Research Questions
- The characteristic of hypotheses, sources of hypotheses
- Types of hypotheses
- Testing hypotheses & Errors

PGDRM003: Data Collection Methods and Data analysis

Unit 1: Sampling design: Census Method sampling, Probability & Non probability sampling and Sample size

Unit 2: Collecting Data: Primary & Secondary sources

Unit 3: Quantative and Qualitative methods: Observation, interview, Narratives, questionnaire, focussed group discussion (FGD), case study

Unit 4: Processing & Analysing of Data

- Coding of Data
- Analysing Quantitative data through statistical procedures
- Analysing qualitative data

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PGDRM 004 Research writing and publication

Unit 1: Doing Literature Review (LR)

- Meaning, Objectives and types of LR
- How to conduct LR
- Library & Digital Use
- Writing literature review

Unit 2: Reference Management & Citation Analysis

- Concepts & Significance
- Referencing styles
- Software & tools, Mendeley, Endnote, Zotero etc

Unit 3: Ethical Issues in Social Research/Publication

- Ethical issues in Social research
- Need and Relevance
- Informed Consent
- Ethical clearances in publication

PGDRM005: Project work-based on theory and field

Scheme of Examination

There will be two components of the examination scheme.

There will be 80% external exam and 20% internal exam

Internal examination: 20 marks

External Exam: 80 marks

Time Allotted 3 hours

Maximum marks 100

Examination Scheme:

The question paper shall consist of three parts:

- Part I will have 05 questions of 2 marks each. All questions are compulsory.
- In Part 2 there will be 05 questions of 5 marks each. All questions are compulsory.
- In Part 3 there will be 05 questions of 15 marks each. The student would be required to attempt any three questions.

NOTE: Internal marks will be allotted on the basis of 2 assignments of equal marks to be conducted by the faculty teaching the subject.

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