

**Dr. Ram Manohar Lohiya National Law University, Lucknow**

**Syllabus of the Pre-Ph.D. Course Work**

**Research Methodology**

**Unit-A**

**(Prof. Sanjay Singh)**

Introduction of Philosophy: definition, nature and scope, concept, branches, Meaning of Research in Law & Social Sciences- Purpose, Characteristics and Types of Research- Process of Research- Formulation of Objectives- Formulation of Hypotheses- Types of Hypotheses- Methods of Testing Hypotheses- Research Plan and its components- Methods of Research (Survey, Observation, Case Study, Experimental, Historical and Comparative Methods).

**Unit-B**

**(Dr. A. P. Singh)**

Ethics: definition, moral philosophy, nature of moral judgments and reactions, Ethics with respect to science and research, Intellectual honesty and research integrity, Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP), Redundant publications: duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data

**(Dr. Manish Singh)**

Publication ethics: definition, introduction and importance, Best practices/ standards setting initiatives and guidelines: COPE, WAME, etc., Conflicts of interest, Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types, Violation of publication ethics, authorship and contributorship, Identification of publication misconduct, complaints and appeals, Predatory publishers and journals,

A. Group Discussions

1. Subject Specific ethical issues, FFP, authorship
2. Conflicts of interest

**(Dr. V. Visalakshi)**

Identification and formation of research Problem (Hypothesis), Elements in research methodology: Research design, Ethical, Legal and Social issues in research, A brief idea about the funding agencies such as DSF, DST, DBT, ICMR, CSIR and UGC, Role of IPR in Research and Development.

**Unit-C**

**(Dr. K. A. Pandey)**

Writing of research Proposal, Report and Research Paper: Meaning and types- Stages in preparation- characteristics- Structure- Documentation: Footnotes and Bibliography- Editing the final draft- Evaluating the final draft- Checklist for a good proposal/ report/ research paper. Basic knowledge of organizing conferences, symposia, workshop, exhibition etc.

**Unit-D**

Computer Applications

**(Dr. A.K. Tiwari)**

Application of Computer in research, Generating charts/ Graph in Microsoft Excel, Power Point Presentation, Web Search, Introduction to Internet, Use of Internet and WWW, Using legal database and e-books.

## **Unit-E:**

Practice: Open Access Publishing

**(Dr. Maneesh Kumar Bajpai)**

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/ Journal suggestion tool viz. JANE, Elsevier Journal Finder, Springer Journal suggester, etc.
5. Complaints and appeals: examples and fraud from India and abroad
6. Software tool

Use of plagiarism software like Turnitin, Urkund and other open source software tools

Databases and Research Metrics

### A. Databases

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

### B. Research Metrics

1. Impact Factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics