

SIDDHARTHA UNIVERSITY, KAPILVASTU

Ph.D. COURSEWORK

SUBJECT: EDUCATION

Paper I: EDUCATIONAL RESEARCH METHODOLOGY

MM- 100

Objectives:

1. To enable the student understand the basic nature and procedure of educational research.
2. To provide a training in formulation of a good research problem and research proposal.
3. To train the student in reviewing the related research and
4. To train the student in the style and writing of 'Research Report' and 'Research Paper.'
5. To develop in the students, the skills and sense of appreciation for the use of computer and various software in research.
6. To make the students practically aware of the potential of library and online information resource and to encourage them for optimum use of the same.

Course of Study:

UNIT I:

(This Unit's teaching shall be followed by a one week 'Workshop on Research Proposal Preparation')

1. What is Educational research? Purposes of Research: Fundamental, Applied and Action Research Developing 'Vision of Research: Short term and Long term'.
2. The Research Proposal: Selecting a Problem and Preparing a Research Proposal. Sources of Research Problems, Identifying research problem using 'E- Shodh- Sindhu'. Evaluating the Problem Structure of the research proposal.
3. Review of related research: Its purpose and procedure. Using the Library: Finding Research Literature Accessing Journals, Reviews, Abstracts, Encyclopedia and Proceedings. An Introduction to Bibliography and Full Text Databases like PQD&T & SCOPUS. Fair use of Copyrighted Materials.
4. Accessing and using the 'Library Services' for research: 'Current Awareness Service (CAS)', 'Selective Dissemination of Information (SDI)', 'Document Delivery Service (DDS)', 'Remote Access', 'Inflibnet Services).

UNIT II

1. The Research Report: Purpose of writing the research report. Principles of objective/scientific writing Style of writing. Role of Style Manuals. Introduction to 'Manual of American Psychological Association (APA)', 'Manual of Modern Languages Association of America (MLA)', AND 'Chicago Manual of Style' Format of the Research Report: Main body of research report, References & Appendices.
2. Rules of Pagination. Rules and Style of referencing. An overview of the 'Reference Management Software', like 'Mendeley'.

3. The Research paper: Purpose and Parts of Research Paper. Style of writing the Research Paper. Comparison of research paper and research report. Well known international and national Journals in the field of Education. Citation analysis tools and techniques: h-index, Impact factor, SCOPUS, WOS),

UNIT III

(This Unit's teaching shall be followed by a one week 'Workshop on Use of Computer in Research')

1. Data analysis: Central tendency, Dispersion, ANOVA, ANCOVA, Correlation, Partial correlation. Multivariate analysis, Regression.
2. Role of computer in data analysis & graphical presentation. Use of Excel spreadsheet. Application of SPSS, SAS, 'r' Software, and Minitab.

UNIT IV

1. The Research Ethics.
2. Idea of the 'Intellectual Property'. Introduction to 'Intellectual Property Rights (IPR)'. 'Copyright' and its role in digital environment. The 'Patent Policy'.
3. Concept of Plagiarism. Prevention of Plagiarism. Uses of appropriate available software for Detection of Plagiarism. Plagiarism policy proposed by the UGC.

ASSIGNMENT:

Visit to the Central library of any of the following Universities: Benaras Hindu University, Aligarh Muslim University, University of Allahabad, University of Lucknow, Jawaharlal Nehru University, New Delhi and to interact with the library officers/staff in accordance with underlying spirit of this paper's course of study in mind followed by submission of a 'Report on Library Visit'.