



NETAJI SUBHAS OPEN UNIVERSITY

Accredited by NAAC with Grade 'A'

SCHOOL OF EDUCATION

CF-162, Sec-I, Salt Lake, Kolkata-64

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Syllabus Structure for Ph.D. Course Work in Education

Paper	Course Title	Credit	Marks
IA	Research Methodology in Education & Computer and ICT Application in Educational Research.	4	100
IB	Reviewing the Literature and Preparation of Draft Research Design; Seminar presentation		
II	Discipline Specific Study	4	100
TOTAL:		8	200

Course Details

PAPER IA: RESEARCH METHODOLOGY IN EDUCATION & COMPUTER AND ICT APPLICATION IN EDUCATIONAL RESEARCH

Research Methodology in Education

Objectives:

After going through this course, the students will be able to:

- identify with advance research methods in the field of education and special education;
- determine the ethical issues in research
- recognize with the sources of knowledge and its implementation in research;
- develop a knowledge regarding various research approaches in education & Special Education;
- interpret the identification and conceptualization of research problem;
- gain knowledge of the systematic procedures to collect data and analysis;
- choose the appropriate format for writing research report;

Unit - I: Sources of knowledge (experience, authority, deductive reasoning, inductive reasoning, scientific approach)

Unit - II: Aims and objectives of Research and Scientific Activities; Ethical issues in research (Ethical committees, intellectual property rights, (IPR), Economic rights, copy rights, patent etc.)

Unit – III: Research Approaches/ Paradigms in Education (Quantitative method of research, Qualitative method of research and Mixed method of research)

Unit – IV: Conceptualization of Research Study: Formulation of Research Question, Objectives, Hypotheses.

Unit – V: Tools for Data Collection (Scales of Measurement, Construction, Standardization, Application); Analyses: Qualitative, Quantitative (Hypothesis testing), Mixed (Triangulation); Presentation of tables and figures in the research report; Editing (Content, Language, Format) Reaching to Conclusion.

Computer and ICT application in Educational Research

Objectives:

After going through this course, the students will be able to:

- apply statistical packages in educational research;
- recognize the ICT application in educational research;
- develop a knowledge regarding application of technology in distance education and associated issues;
- gain an acquaintance of on-line learning;
- choose the appropriate ICT tools for writing, publishing research work and;
- use and interpret plagiarism software and other paraphernalia

Unit-I: Use of statistical packages, Educational research processing packages.

Unit- II: ICT Application in Educational research (Critically Examine the Content of Websites: UGC, MHRD, NCTE, CBSE, NIEPA, NCERT, RCI, ICSSR etc), Academic and Research, Content on The Web: Online Journals, research Blog and Professional Forum; Inlibnet

Unit-III: Application of Technology in Distance Education: Concept of Distance Education; Distance and open Learning system; Student Support Services, Evaluation strategies in Distance Education; Counseling in Distance Education

Unit-IV: On-line Learning: MOOC, OER, CC licensing.

Unit-V: ICT tools: Writing and Publishing, online Research publishing, Plagiarism.

PAPER IB: REVIEWING THE LITERATURE AND PREPARATION OF DRAFT

RESEARCH DESIGN

Objectives:

After going through this course, you will be able to:

- gain a knowledge of review literature in educational research;
- use appropriate format and style for writing research report;
- apply knowledge of the development of research design.
- gain skill for seminar presentation.

Unit- I Reviewing the literature: The role of related literature in quantitative, qualitative and mixed method of research.

Unit- II Format of Research Report, General Principles for writing a research report, types of research reports.

Unit- III - References, Citation, Bibliography, APA Style (American Psychological Association)

Unit – IV Construction of Research Design

Unit- V Seminar Presentation of the Draft Research Proposal,

PAPER II: DISCIPLINE SPECIFIC STUDY (ANY TWO)

- a) Educational Psychology and contemporary research in education.
- b) Educational Sociology and contemporary research in education.
- c) Recent important studies on policy issues in education.
- d) Recent important studies on educational technology and research in education.
- e) Recent important studies in inclusive education.
- f) ICT, Open Resources and new dimensions of educational research.
- g) Disability studies and Rehabilitation
- h) Any other content, subject to prior approval of the competent authority