



**NETAJI SUBHAS OPEN UNIVERSITY
SCHOOL OF EDUCATION**

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Syllabus Outline for Ph.D. Course Work in Education

Paper	Course Code	Course Title	Credit	Marks
1	PCWED 1	Research Methodology in Education.	02	50
2	PCWED 2	Computer and ICT Application in Educational Research.	02	50
3	PCWED 3	Advanced Level Courses – Any two from the list.	02 (1+1)	50 (25+25)
4	PCWED 4	Reviewing the Literature and Preparation of Draft Research Design; Seminar presentation	02	50
TOTAL			08	200

COURSE DETAILS

Course Code: PCWED – 1: 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.

Course Code: PCWED – 2: 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.

Course Code: PCWED –3: Advanced Level Courses (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

Course Code: PCWED-4: 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
