PROGRAMME BROCHURE: SYLLABUS AND ORDINANCE

Ph.D. (Applied Psychology)

Revised Syllabus as per Choice Based Credit System (C.B.C.S.) and N.E.P.-2020

Effective from year 2022-2023

Department of Applied Psychology

Veer Bahadur Singh Purvanchal University,

Jaunpur, U.P. - 222003

As per the university ordinance, the research scholars who are provisionally registered for the Ph.D. Programme will undergo a Pre- Ph.D. Course work.

Aim of the Course Work: The aim of Pre- Ph.D. course work focuses on imparting and inculcating assessment competency, research competency, experiential and training competencies and developing research acumen, statistical analysis and writing skills to create an in-depth understanding in the area of research, context and implications.

Programme Objectives

• To prepare and enable the students to consolidate the prerequisites of conducting a Doctoral research

• To enable students to appreciate the philosophical, ethical and practical underpinnings of research.

• To enable students to critically analyze the principles and paradigms prevalent in the discipline.

Programme Outcomes:

• Students will be equipped to carry out research pertaining to the philosophy of the discipline.

• They will be able to reach the level of abstraction needed to conduct high quality research.

Course Work Structure: The duration of Pre-Ph.D. course work will be of one semester (six month) in which there will be three compulsory papers. The minimum attendance required during the course work period is 75% of the total courses. This course work is mandatory. The following scheme to be followed for successful completion of the course work. After successful completion of course work (16 credits),candidate shall be awarded Post Graduate Diploma in Research(PGDR).

Scheme of the Course (All papers are compulsory)
Paper Title:
Paper- I: Research design and data analysis (Credits-6)

Paper- II: Scientific Writing in Applied Psychology (Credits-6)

Paper-Ill: Research Methodology (Credits-4)

Note- 1. **Minimum Passing marks-55% or equivalent Grades/CGPA.**

   2. **One research project is mandatory (qualifying) for each research scholar.**

Paper Setting and Evaluation Pattern

(For Paper I, II and III)

Types Of Question	Total Number Of Questions	Questions to be attempted	Marks	Time
Objective Type	**10**	**10**	**10x2=20**	3 Hours
Short Type	**8**	**5**	**5x8=40**	
Long type	**4**	**2**	**2x20=40**	

Total Marks: 100

   *Research project will be of 100 marks, though it's marks will not be included in CGPA.

Note:

1. Language of the course would be either English or Hindi.

2. Teachers in service are allowed to attend either online or offline ode of Pre PhD Course Work class. **(As Per UP government direction)**

Paper- I: Research design and Statistical analysis (Credits-6)

Course Objectives: To create an understanding of the basic orientation, philosophy and methods of research designs, data analysis, prediction and model testing and qualitative methods.

Course Outcomes:

•To develop understanding on various kinds of research designs data analysis, prediction and model testing.

• To have advanced knowledge on quantitative and qualitative research techniques.

Unit: 1: **Research Designs**: Nature, Purpose and Criteria of a Good Research Design, Types of Research Designs: Single Factor, Repeated Measure Design, Randomized Group Design, Multifactor Between Design, Quasi-Experimental Design.

Unit: 2: **Analysis of Data** (SPSS)

- Parametric and Non-Parametric Statistics, Univariate or Descriptive Analysis, Graphical Representation of Data

- Hypothesis Testing, Inferential Statistics, Correlation, T-test, Analysis of Variance (ANOVA): One Way, Two Way and Multivariate Analysis of Variance, Analysis of Co-variance

- Non-parametric Statistics: Whitney U-test, Wilcoxon-Spined Rank Test, Friedman Test and Kruskal Wallis

Unit 3: **Prediction and model testing**

- Simple and Multiple Regression Analysis; Factor Analysis,

- Structural Equation Modeling.

Unit: 4: **Qualitative Research Methods and Analysis**

- Nature and general Principals of Qualitative Research Methods, Data Collection Methods: Interview, Observation, Focus Group Discussion, Case Study

- Analysis and Interpretation of Qualitative Data: Content Analysis, Grounded Theory and Uses of Computer Based software to analysis of qualitative data.

Unit: 5: **Research Practices**

Planning of Research, Synopsis and Report writing, APA Style of Writing, Referencing

Paper- II: Scientific writing in Applied Psychology (Credits-6)

Course Objectives:

• To critically understand the process of scientific writing – its purpose and communication.

• To enable the student to practically engage with scientific writing through writing of a research paper.

• To engage with the issue of research ethics in psychology as located in complex emerging realities

Course Outcomes:

•To develop understanding of various sources of knowledge, communicative writing.

• To have advanced knowledge on scientific writing and ethics.

Unit 1**. How to Read Sources Critically**: Looking for biases in assumptions; Coherence between theory and methodology; Critical analysis of the sufficiency of evidence; Different types of sources and challenges associated with them (e.g., newspapers, unpublished documents, internet sources etc.)

Unit 2. **Communicative Writing**: Writing with conceptual coherence; Choice of a writing style appropriate for the topic of research (e.g., qualitative and quantitative research); Learning to write for a different kinds of public/audience; Clarity and grace in writing style.

Unit 3. **Format Guidelines (APA and other formats**): General document format; Crediting sources and in-text citations, References, headings, word usage and unbiased language etc.

Unit 4. **Ethics in scientific writing**: The practice of active' or positive' ethics in increasingly complex world; Intellectual Honesty in writing;Copyrights and permissions.

Paper-Ill: Research Methodology (Credits-4)

Course Objectives: To create an understanding of the basic orientation, philosophy and methods of research enquiry, research ethics and scientific conduct. Participation in the course will enable the students to become more sensitized to the social and psychological realities of individual- society and take a creative and ethical approach to extending the knowledge base to the world of practice.

Course Outcomes:

•To develop understanding on scientific research, use of computer in research and data management.

• To have advanced knowledge research ethics and scientific conduct.

Unit: 1: **Fundamental of Research**: Scientific Research, Type of Research: Basic vs Applied Research, Qualitative vs. Quantitative Research, Steps in Psychological Research, Variables, b. Problems and Hypothesis. C. Sampling: Probability and Non-Probability.

Unit 2: **Computer Application**

- Basic Knowledge of Computer (Internet Surfing, Email)
- Microsoft Office [Word, Excel, Power Point Presentation (PPT)]
- Knowledge of SPSS for data analysis
- AMOS

Unit 3: **Research Ethics and Scientific Conduct**: Understanding Plagiarism, Types of Plagiarism, Plagiarism Detection Software, Publication Misconduct and Publication Ethics, Ways to avoid Plagiarism

Unit 4: **Research Ethics**: Authorship, Plagiarism, Peer review, Conflicts of interest, Data management, Research misconduct Research with animals, Research with human subjects