



जननायक चंद्रशेखर विश्वविद्यालय, बलिया  
Jananayak Chandrashekhar University, Ballia



**COURSE STRUCTURE FOR**

**Pre Ph. D. Course**

**In**

**Education**

**ACADEMIC SESSION 2019-20**

**JANANAYAK CHANDRASHEKHAR  
UNIVERSITY, BALLIA U.P. 277001**

## **Ph.D. Education**

### **COURSE WORK SYSTEM**

#### **COURSE STRUCTURE, SYLLABUS/ Ph.D. COURSE WORK**

1. PAPER-1-Research Methodology and Computer Application- Credits-4, MM-100
2. PAPER-2-Research and Publication Ethics Credits-2, M.M.-100
3. PAPER-3-Tools and Techniques of Educational Research Credits-4, M.M.-100
4. PAPER-4- Qualitative Research Credits-4, M.M.- 100

Total-14 Credits and Maximum Marks-400

#### **After the completion of course work**

1. Synopsis Seminar Satisfactory
2. Oral Comprehensive Satisfactory
3. Course Seminar Satisfactory
4. Thesis Pre-submission Seminar Satisfactory
5. Thesis (Doctoral Research Work) Satisfactory
6. Thesis Viva-Voce Satisfactory

#### **Note:**

1. The research work may be initiated as per Ph.D. ordinance.
2. The evaluation of seminar presentation and oral comprehensive examination shall be done by the departmental committee which shall be constituted by the Head of Department / Principal of College.
3. The minimum passing marks of every paper according the UGC rules.

EDUCATION  
SYLLABUS  
Pre-Ph.D. COURSE WORK

**COURSE STRUCTURE**

**Paper- I RESEARCH METHODOLOGY AND COMPUTER APPLICATION 4 Credit, MM;100**

COMMON SYLLABUS FOR ALL Ph.D. SUBJECTS

**Paper- II Research and Publication Ethics 2 credits , MM:100**

COMMON SYLLABUS FOR ALL Ph.D. SUBJECTS

**Paper- III Tools and Techniques in Educational Research 4 Credit, MM;100**

Unit- 1

- A. Hypothesis: Meaning, Nature, Types, Sources, importance and hypothesis testing.
- B. Statistics for hypothesis testing: Normal Probability Curve, Analysis of Variance(ANOVA), Analysis of Covariance (ANCOVA) and Mann-Whitney U-Test.

Unit- 2

- A. Types of Tools & techniques-
  - Test, Scales, Inventory, Questionnaire, Observation- Characteristics, merits & demerits.
  - Construction of MC test: Types of multiple choice questions, Steps, Item analysis, standardization techniques
  - Construction of attitude scales: Likert, Thurstone, Semantic differential.
  - Standardization of a tool, Reliability, Validity & Norms: types and computation.
  - Sources of errors in measurement.
- B. Research Report writing: Format of a Research Report, Reference, pagination, tables, figures, interpretation of result.

Unit – 3

**Activity:** Prepare any one tool and administer for data collection.

#### Unit- 4

**Activity:** Review the two Ph.D. thesis and analyse their hypothesis, design, tool and datacollection procedure.

**Unit-1**

- A. Qualitative Research: Genesis, Meaning and Scope. Theoretical perspectives in qualitative research: Interpretative, critical and post modern. General structure of plan and proposal. Modern trends in qualitative research.
- B. Methods and sampling techniques:
- Interpretative methods: Phenomenology, Ethnography, Grounded theory, Narrative analysis.
  - Critical/ Advocacy/ Participatory methods: Critical ethnography, participatory action research, feminist research methods.
  - Case study
  - Historical enquiry
  - Discourse analysis
  - Sampling techniques in qualitative research
  - Data collection in qualitative research

**Unit- 2**

- A. Data analysis, representation and writing qualitative research report
- Inductive and deductive qualitative analysis
  - Data-analysis spiral
  - Segmenting, coding, developing categories (properties and dimensions) and creating hierarchical category systems.
- B. Mixed method research
- Pragmatism and mixed method research
  - Types of mixed method research designs and sampling
  - Data analysis in mixed method designs
  - Writing mixed method research report

**Unit- 3**

**Activity:** Review Of research in the related area.

**Unit- 4**

**Activity:** Preparation of the Research Proposal and power point presentation.

### **Suggested Readings:**

- Asher, William : Educational Research and Evaluation Methods, Waltham, M.A. Little Brown, 1976.
- Asthana, Bipin (2013): Research Methodology, Agrawal Publication, Agra.
- Best, John W. and James V. Kahn, (1992). Research in Education, Prentice Hall of India Pvt. Ltd, New Delhi.
- Bhatanagar, R.P. Et al(1995), Shiksha Anusandhan, Loyal Book Depot, Meerut
- Bhardwaj, Amita(2014), *Vidyalayi shiksha me kriyatmak Anushandhan*, Akanksha Pub.House, New Delhi.
- Buch, M. B. (ed) (1996).Fifth Survey of Research in Education, NCERT, New Delhi.
- Garrett, H. E. (1962). Statistics in psychology and education, Allied Publishers Private Ltd, Bombay.
- Guilford, J.P. & B. Fruchter (1978), Fundamental statistics in Psychology and Education McGraw Hill Kogakusha Ltd. London .
- Ghose, B. N. (1999). Scientific method and social research (revised ed.), Sterling Publishers Private Limited, New Delhi
- Gupta, S.P.(2002), *Adhunik Mapan evam Mulyankan*, Sharada Pustak Bhawan, Allahabad
- Kerlinger, F. N. (2018). Foundation Of Behavioral Research, Surjeet Prakashan, Delhi.
- Koul, lokesh (1997): Methodology of Educational Research, Vikas publishing House, Pvt. Ltd. (Third Revised Edition), New Delhi.
- Pandey, K.P.(2006), *Shaikshik Anushandhan*, Vishv Vidyalay Prakashan , Varanasi.
- Pandey, K.P. (2016), *Shiksha evam Manovigyan me sankhyiki*, Vishv Vidyalay Prakashan Varanasi.
- Verma, M. (1965) An Introduction to Educational and Psychological Research, Asia Publishing House, Bombay.
- Yadav, M.S. and Mitra, S. K. (1989). Educational Research: Methodological perspective, CASE, M. S. University, Baroda.