

**SYLLABUS
OF
MASTER OF PHILOSOPHY IN EDUCATION**

Session: 2019-20



**DEPARTMENT OF EDUCATION
KAZI NAZRUL UNIVERSITY
ASANSOL, WEST BENGAL, INDIA**

Semester-I

MPHILEDCC101: Advanced Research Methodology in Education (Marks: 100)

Learning Outcomes:

After going through the course the students will be able to

- know various methods of educational research.
- carry out review of related literature
- know the process of data collection in educational research
- acquire competencies for analyzing the collected data in educational research
- Write the report of the research work

Course Contents:

Unit – I: Introduction to Educational Research:

1. **Educational Research:** Concept, Understanding, Objectives, and Ethics
2. **Research Methods:** Experimental, Descriptive, Historical, Analytical, Survey, Normative – Survey.
3. **Research Problems:** Identification, Formulation and Statement.
4. **Research Questions:** Hypotheses, and Variables – Concepts and types.

Unit – II: Review of Related Studies and Methodology:

1. **Review of Related Studies:** Needs, Significance and Procedure.
2. **Sample and Sampling:** Population, Sample and Methods of Sampling (Probability and Non-probability), Sampling Design.
3. **Tools and Techniques of Research:** Process of Construction, Estimation of Reliability and Validity and Administration of Tools.

Unit – III: Analysis of Data: Quantitative and Qualitative Method

1. **Research Design:** Types and Implications
2. **Descriptive Statistics** – Different Approaches.
3. **Inferential Statistics** – Different Approaches.
4. **Correlation Statistics** – Different Approaches.

5. **Factor Analysis** – Different Approaches.
6. **Logical and Descriptive Analysis.**

Unit – IV: Research Report:

1. Writing of Research Proposal.
2. Writing of Research Report.
3. Reference Style.
4. Bibliography Style.
5. Appendices.

Note: Content related to Research and Publication Ethics (RPE) is discussed and included as the part of research methodology.

Suggested Readings

Aggarwal, Y.P. (1998).*Statistical Methods*, New Delhi: Sterling Publishers Pvt. Ltd.

Anfara, Vincent & Mertz Norma T. (2006).*Theoretical Frameworks in Qualitative Research*.
SAGE Publication.

Best J.W. and Kahn, J. V. (2006).*Research in Education*, 9th Ed. New Delhi: Pearson
Education Inc.

Borg, W.R. and Gall, M.D. (1983).*Educational Research – An Introduction*, New York,
Longman, Inc.

Creswell, J.W. (2002).*Educational Research Planning, Conducting and Evaluating Quantitative
and Qualitative Research*. New Jersey: Merrill Prentice Hall.

Creswell, J. W. (2007).*Qualitative Inquiry and Research Design: Choosing Among Five
Approaches*. SAGE Publication.

Denzin, N.K. and Lincoln, Y.S. (eds.) (1994).*Handbook of Qualitative Research*, Thousands
Oaks, CA: Sage.

Elhance, D.N. (1975).*Practical Problems in Statistics*. Allahabad: Kitab Mahal.

Ellis, L. (1994).*Research Methods in Social Sciences*. Madison: Brown and Benchmark.

- Ferguson, G. A. (1959).***Statistical Analysis in Psychology and Education*, New York: McGraw-Hill Book Company.
- Garrett, H.E. (1981).***Statistic in Psychology and Education*, Bombay Vakils Feffer and Simons Ltd., India.
- Grbich, Carol (2006).***Qualitative Data Analysis: An Introduction*. SAGE Publication.
- Gupta, S. P. (1996).***Statistical Methods*, New Delhi: Sultan Chand & Sons.
- Hadin. C. (1987).***Research Design: Strategies and Choices in the Design of Social Research*. London: Allen and Unwin.
- Hamburg, M. (1979).***Basic Statistics: A Modern Approach*, (2nd Ed.). New York: Harcourt Brace.
- Healey, J.F. (2002).***Statistics: Tool for Social Research*, (6th ed.), Australia: Wadsworth.
- Johnson, P.O (1961).***Statistical Methods in Research*, New Jersey: Prentice Hall.
- Kaul, L. (1984).***Methodology of Educational Research*, New Delhi: Vikas Publications.
- Keevis, J. (1988).***Educational Research Methodology: An International Handbook*, Oxford: Pergamon.
- Kendall, G.M. (1982).***Dictionary of Statistical Terms*, London: Longman,
- Kerlinger, Fred N. (1973).***Foundation of Behavioural Research*, New York: Rinehart Winston.
- Kish, L (1967).***Survey Sampling*, New York: John Wiley.
- Korin, B.P. (1977).***Introduction to Statistical Methods*, Cambridge: Intrhrop Pub.
- Kothari, C.R. (1990).***Research Methodology: Methods and Techniques* (2nd Ed.). New Delhi: Vishwa Prakashan.
- Kurtz, A. K. (1980).***Statistical Methods in Education and Psychology*. New Delhi: Narosa Publication.
- Mangal, S.K. (2008).***Statistics in Education and Psychology*. New Delhi: Prentice-Hall of India Private Limited
- McCall, R. B. (1970).***Fundamental Statistics for Psychology*, New York: Harcourt Brace Jovanovich, Inc.
- Mertens, D. M. (1998).***Research Methods in Education and Psychology - Integrating Diversity with Quantitative & Qualitative Approaches*. New Delhi: Sage.
- Moser, C.A. (1958).***Survey Methods in Social Investigation*, London: Heimann Education Book Ltd.

Salkind, N.J. (2006). *Exploring Research* (Sixth Edition) NJ: Pearson Prentice Hall.

MPHILEDCC102: Application of Computer in Educational Research (Marks: 100)

Learning Outcomes:

After going through the course the students will be able to

- Acquire fundamental knowledge of computers, its accessories, hardware and software.
- Find out the authentic sources of information related to educational research.
- Use software applications for data analysis in educational research.
- Use software applications for writing the thesis.

Unit – I: Basic Knowledge of Computer:

1. Concept of Components of Computer (Hardware & Software).
2. Basic Knowledge of Computer Operation.
3. Basic Knowledge of Computer Application in Educational Research.

Unit – II: Internet Exploration:

1. Browsing Internet and E-mailing.
2. Internet Resources for Research Papers and Thesis.
3. Evaluating Internet Resources: Authority, Accuracy and Objectivity.
4. UGC-infonet, INFLIBNET and ERNET.

Unit – III: Formatting and Analysis of Data:

1. Creating Spreadsheet and Datasheet, Need of Spreadsheet, Creating, Opening & Saving Workbook, Editing Worksheet.
2. Introduction to Data Analysis Software Packages.
3. Data Analysis through Computer.

Unit – IV: Practical

1. Use of Computer Programming in Educational Research –

Practical works on – the preparation of papers articles monographs etc.

Suggested Readings

Babola, D. T. (1998). *Microsoft World*. New Delhi: Prentice Hall of India Pvt. Ltd.

Basandra, S. K. (2001). *Computers Today*. New Delhi: Galgotia Publishers Pvt. Ltd.

Diwan, P. (2001). *Information System Management*. New Delhi: Pentagon Press.

Dixit, M. (2003). *Internet an Introduction*. New Delhi: Tata McGraw- Hill Publishing Company Ltd.

Norton, P. (1999). *Introduction to Computers* (3rd Ed.). Glencoe, New York, Woodland Hills, California, Peoria, Illinois: McGraw-Hill.

Semester-II

MPHILEDCC201: Review of Related Studies & Writing Research Proposal (Marks: 100)

- Report to be prepared on the **Review of Related Research Studies** (Published or Unpublished Thesis Papers, Published Research Papers, Books on Published Research Studies, etc.).
- **Writing Research Proposal** on any particular topic.

MPHILEDCC202: Statistical Data Analysis through Packages, MS Excel & Power Point Presentation (Marks: 100)

Semester-III

MPHILEDCC 301: Advanced Areas of Education

(Marks: 200)

*Theoretical Discussion – Concepts, Theories, Propositions and Modern Trends

Any four topics will be selected as special papers from the following list:

- 1 Philosophical Thoughts and Ideas and its new paradigm
- 2 Psychology of instruction and learning
- 3 Developmental theories of learning (any one)
- 4 Motivational theories of learning (any one)
- 5 Contemporary problems and issues in education
- 6 Modern trends of teacher education
- 7 History of primary, secondary, higher and teacher education
- 8 Modern trends of educational technology
- 9 Inclusive education
- 10 Analysis of teaching models
- 11 Needs and approaches of guidance and counseling
- 12 Curriculum studies – recent changes
- 13 Language education, different approaches and theories
- 14 Mathematics education, such as anxiety and phobia in mathematics
- 15 Progress, problems and prospects of SSA

- 16 Education for all
- 17 Science education, outreach programme
- 18 Book review and report on the review of studies
- 19 Problems of women education
- 20 Education for backward children
- 21 Education for minority girls
- 22 Problems of abnormal children
- 23 Lifestyle education
- 24 Education for humanity
- 25 Education for Sustainable development
- 26 Problems in primary, secondary and higher education
- 27 Comparative education
- 28 Mindfulness in Education
- 29 Education under different social systems
- 30 ICT in Education (MOOCS)

Semester-IV

MPHILEDCC401: Thesis / Dissertation, Pre submission Seminar & Final Presentation cum Viva-Voce

(Marks: 200)

- Thesis / Dissertation [Marks:100 (50 Internal +50 External)]

- Pre-Submission Seminar (Marks:20) & Final Presentation cum Viva-Voce (Marks: 80), Total Marks:100