

**Ph.D. Coursework**  
**Department of Education**  
**Diamond Harbour Women's University**  
**Duration: 1 Semester**

**4 Compulsory Courses: 200 Marks**

Course Code	Title of Course	Lecture Hours per Week	Credit	Total Marks
Edu/Ph.D./CC/101	Advanced Research Methodology in Education	2	2	50 Internal Assessment: 10 Semester Examination: 40
Edu/Ph.D./CC/102	Study on Review of Related Literature	2	2	50 Review of Related Literature: 50
Edu/Ph.D./CC/103	Seminar Presentation	2	2	Seminar Presentation: 50
Edu/Ph.D./CC/104	Computer Application	2	2	50 Internal Assessment: 10 Semester Examination: 40
<b>Total</b>		<b>8</b>	<b>8</b>	<b>200</b>

*Approved*  
*Jayanti Das.*  
*05/3/18*

Prof. (Dr.) Jayanti Das  
Head  
Department of Education  
University of Calcutta

*[Signature]*  
*05/03/18*

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*05.03.18*

Ushashi Kundu (Oc)  
5.3.18

*P. Ghosh*  
*5/3/18*

## **Syllabus of Ph.D. Coursework**

**200 Marks**

### **Compulsory Courses**

#### **Advanced Research Methodology in Education (50 Marks)**

**Edu/ Ph.D./CC/101**

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#### **Unit I: Introduction to Educational Research (8 Class Hours)**

- a) Educational Research: Concept, Understanding, Objectives, and Ethical Issues
- b) Research Methods: Experimental, Descriptive, Historical
- c) Review of Related Studies: Needs, Significance and Procedure
- d) Sample and Sampling: Population, Sample and Methods of Sampling (Probability and Non-probability), Sampling Design

#### **Unit II: Analysis of Data (8 Class Hours)**

- a) Quantitative Data Analysis: Descriptive and Inferential Statistics, Parametric and Non-Parametric Techniques, Correlation and Regression Analysis
- b) Qualitative Data Analysis: Coding of Data, Content Analysis

#### **Unit III: Research Report (8 Class Hours)**

- a) Writing of Research Proposal
- b) Writing of Research Report
- c) Reference Style
- d) Bibliography Style
- e) Appendices



**Study on Review of Related Literature (50 Marks)**

**Edu/ Ph.D./CC/102**

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- a) Selection of Research Area
- b) Rules and Techniques of Review of Research Literature
- c) Finding out the Gaps with Comments

**Seminar Presentation of Research Article/ Published or Unpublished Thesis Papers/  
Published Research Papers (50 Marks)**

**Edu/ Ph.D./CC/103**

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Each student of Ph.D. Coursework has to submit her seminar presentation based on any one of the following areas:

- a) Philosophical Aspects of Education
- b) Psychological Aspects of Education
- c) Sociological Aspects of Education
- d) Special Education
- e) History of Education
- f) Educational Technology
- g) Mental Hygiene
- h) Life Skills Education
- i) Adult Education
- j) Distance Education
- k) Mathematics Education
- l) Women's Education



## Computer Application (50 Marks)

Edu/ Ph.D./CC/104

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- a) Browsing Internet and E-mailing
- b) Internet Resources for Research Papers and Thesis
- c) Evaluating Internet Resources: Authority, Accuracy, and Objectivity
- d) UGC-INFONET, INFLIBNET and ERNET
- e) Excel and Introduction to Data Analysis Software Packages
- f) Data Analysis through Computer

### Suggested Readings:

- Alasuutari, Pertti, Bickman, Leonard, & Brannen, J. (Eds.), *The Sage Handbook of Social Research Methods*, Sage Publications, Los Angeles, 2008.
- Allen, C., & Klooster, *Computers and Information Processing*. South-Western Publishing Co., USA., 1990.
- Anastasi, A., & Susana, U., *Psychological Testing*, Prentice Hall, New Delhi, 1997.
- Anfara, V., & Mertz, N. T., *Theoretical Frameworks in Qualitative Research*, Sage Publication, 2006.
- Arthur, J., Waring, M., Coe, R., & Hedges, L. V., *Research Methods and Methodologies in Education*, Sage, 2012.
- Babbie, E., *The Practice of Social Research*, Thomson and Wadsworth, London, 2004.
- Babola, D. T., *Microsoft World*, Prentice Hall of India Pvt. Ltd., New Delhi, 1998.
- Baker, T. L., *Doing Social Research*, McGraw-Hill, New York, 1990.
- Basandra, S. K., *Computers Today*, Galgotia Publishers Pvt. Ltd., New Delhi, 2001.
- Bergman, M. M., On Concepts and Paradigms in Mixed Methods Research, *Journal of Mixed Methods Research*, 4, 171, 2010.
- Best, J., & Kahn, J., *Research in Education*, Allyn & Bacon, London, 1993.
- Bryman, A., *Social Research Methods*, Oxford University Press, New York, 2002.
- Cohen, L., Manion, L., & Morrison K., *Research Methodology in Education*, 7<sup>th</sup> Ed., Routledge, London, 2011.
- Creswell, J. W., *Educational Research Planning, Conducting and Evaluating Quantitative and Qualitative Research*, Merrill Prentice Hall, New Jersey, 2002.
- Creswell, J. W., et al, *Best Practices for Mixed Methods Research in the Health Sciences*, OBSSR, 2008.
- Denscombe, M., Communities of Practice: A Research Paradigm for the Mixed Methods Approach, *Journal of Mixed Methods Research*, 2, 270, 2008.
- Dixit, M., *Internet: An Introduction*, Tata McGraw- Hill Publishing Company Ltd., New Delhi, 2003.



- Garrett, H. E., & Woodworth R. S., *Statistics in Psychology and Education*, Feffer & Simpsons Pvt. Ltd., Bombay, 1986.
- Goode, G., & Hatt, P. K., *Methods in Social Research*, McGraw-Hill, New York, 1952.
- Greene, J. C., Is Mixed Methods Social Inquiry a Distinctive Methodology? *Journal of Mixed Methods Research*, 2, 7, 2008.
- Guilford, J. P., *Fundamental Statistics in Psychology and Education*, McGrawHill, London, 1942.
- Gul, S. B. A., *Research Methodology in Education*, Createspace Independent Pub, 2015.
- Healey, J. F., *Statistics: Tool for Social Research*, (6th ed.), Wadsworth, Australia, 2002.
- Krishnaswami, O. R., & Ranganatham, M., *Methodology of Research in Social Sciences*, (2<sup>nd</sup> ed.), Himalaya Publishing House, New Delhi, 2005.
- Levin, J., & Fox, J. A., *Elementary Statistics in Social Research*, Pearson, New Delhi, 2006.
- Punch, K. P., *Introduction to Research Methods in Education*, Sage, Los Angeles, 2009.
- Schutt, R. K., & Check, J., *Research Methods in Education*, Sage, Los Angeles, 2011.
- Seale, C., *Social Research Methods: A Reader*, Routledge, London, 2004.
- Young, P. V., *Scientific Social Surveys and Research*, Prentice Hall India, New Delhi, 1964.