



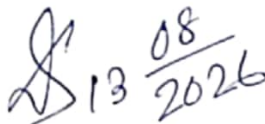
UNIVERSITY OF CALCUTTA

Notification No. CSR/102/2026

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in the exercise of his powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 20.07.2026, approved that the Ph.D. in Education the new syllabus is constructed based on University of Calcutta Ph.D. 2025 regulation, as laid down in the accompanying pamphlet.

The above syllabus shall take effect from the academic session 2026-2027 and onwards.

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13.08.2026


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Ph.D. in Education Coursework Syllabus 2026

University of Calcutta

Instruction: The University of Calcutta Ph.D. new Regulation 2025 guidelines will be followed pertaining to the Ph.D. Course work 2026.

Sl. No.	Name of course	Hours of Teaching	Total Credit (12 Credits)	Total Marks (200)
1.	Part A-Research Methodology (Common for all)	120 hours	6+2 Ethics=8	100
<i>1.a</i>	<i>Basics of Research</i>			
<i>1.b</i>	<i>Types and Methods of Research</i>			
<i>1.c</i>	<i>Review of Literature</i>			
<i>1.d</i>	<i>Plan of work/ synopsis/ Planning process& Report writing</i>			
<i>1.e</i>	<i>Sampling Techniques or Methods</i>			
<i>1.f</i>	<i>Quantitative and Qualitative Data</i>			
<i>1.g</i>	<i>Tools for Data Collection</i>			
1.h	<i>Ethics in Research (2 Credits)</i>			
<i>1.i</i>	<i>Statistical Analysis of Data</i>			
<i>1.j</i>	<i>Computer Application in Research</i>			
2	Part B: Subject related Research Methodology (Respective Supervisors & RAC)	120 hours	4	100
<i>2.a.</i>	<i>Subject specific topic/ Drafting a Research plan of work (Assignment)</i>			
<i>2.b.</i>	<i>Seminar/ Presentation of Review of related literature/ Critical Analysis of Research Paper</i>			

Ph.D. Course work 2026 Detail Syllabus

Part A
Research Methodology (8 Credits; includes 2 credits on ethics)
1.a. Basics of Research Definition of research Objective of research - Scientific research, Steps of Research, how to write research proposal
1.b. Types and Methods of Research Classification of Research- Descriptive Research - Diagnostic Research/Study - Evaluation Research/Studies - Experimental Research - Analytical Study of Statistical Method-Surveys - Case Study - Field Studies & others.
1.c. Review of Literature Need for Reviewing Literature - What to Review and for What Purpose -Literature Search - Procedure - Sources of Literature, Types of review of literature
1.d. Planning Process of Research Selection of a Problem for Research - Formulation of the Selected Problems - Hypothesis Formation - Measurement - Research Design/Plan, Research process. <i>Report Writing:</i> Types of Reports - Planning of Report Writing - Research Report Format -Principles of Writing - Documentation - Data and Data Analysis in Thesis - Writing of Report - Typing of Report Briefing - Preparation of Manuscript for Publication of Research Paper - Pictures and Graphs, Citation styles, writing a Review of Paper, Bibliography, Writing Synopsis & Thesis.
1.e. Sampling Techniques or Methods Choice of Sampling Techniques - Sample Size -Sampling and Non-Sampling Errors.
1.f. Quantitative and Qualitative Data Observation Method - Experimentation - Simulation -Interviewing - Panel Method - Mail Survey.
1.g. Tools for Data Collection Types of Data - Construction of Schedules and Questionnaires -Measurement of Scales and Indices - Pilot Studies and Pre-tests.
1.h. Statistical Analysis of Data Editing - Classification and Coding - Transcription -Tabulation - Introduction to Statistical Software: SPSS - Graphical Representation. Statistical Analysis - Measures of Central Tendency - Measures of Dispersion - Measures of Association/Relationship - Regression and Correlation Analysis - Hypothesis Testing (For Proportion and Means) - Test of Significance etc
1.i. Ethics in Research & Responsible conduct of research & Publication Ethics

Techniques for recognizing, analyzing, and resolving ethical dilemmas facing healthcare professionals and biomedical researchers in today's highly regulated environment. Use/ Protection of human subjects/animals involved in research programs. Promotion of academic integrity & prevention of misconduct including Plagiarism, using Plagiarism detection software tools, reference management tools, proper attribution, copyright-& intellectual property right policies etc. Includes elements of responsible conduct of research, publication ethics, use of plagiarism detection tools and reference management tools as a compulsory course work for Research Scholars.

1.j. Computer Application in Research

Introduction to MS Excel, Using Formulas and Functions, Hand on to SPSS, Features for Statistical Data Analysis, Generating Charts/Graphs, Introduction to MS Word, Features and Functions, Writing Report in MS Word, Introduction to Open Office or Latex, Creating Presentation in MS Power Point, Introduction to Internet Based Search, Use of Advanced Research Techniques.

Part B

Subject Related Research Methodology (4 credits)

(Respective guide & RAC)

2.a. Subject specific topic; Plan of work/ synopsis

2.b. Seminar/ write up: literature review or research paper