



BANKURA UNIVERSITY

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BANKURA UNIVERSITY

EXAMINATION PATTERN

AND

COURSE DESIGN

FOR C.B.C.S. PH.D. COURSEWORK IN ECONOMICS

**TO BE IMPLEMENTED FROM THE SESSION 2019–2020
ONWARDS**

Ph. D. Coursework guidelines

The Department of Economics, Bankura University proposes to frame the syllabus for Ph.D. Coursework in Economics, keeping in line with the recent UGC guidelines, University Regulations, changing academic scenario and needs of both academics.

The salient features of the syllabus are as follows:

1. The Coursework shall be spread over 1 semester.
2. Each paper shall be of 6 credits each requiring 6 lecture hours per week.
3. A candidate will have to earn 12 credits to qualify in the Coursework.
4. There shall be two types of papers/courses: Core Course–A course which should compulsorily be studied by a candidate as a core-requirement is termed as a Core course. Elective Course–Generally a course which can be chosen from a pool of courses.
5. 6 credits shall have to be earned from Departmental Core Course on Research Methodology and shall be Compulsory.
6. Each paper of 6 credits shall have 6 hour session of Lectures per week over a period of one semester of 16 weeks for teaching-learning process.
7. The performance of a candidate in a theoretical course other than the Core Course will be assessed for a maximum of 50 marks.
8. The performance of a candidate in a Term Paper & Presentation will be assessed for 50(25+25) marks based on assessment of the Review submitted during end of semester and Presentation.
9. Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. / Ph.D. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work.
10. In case of any difference between the clauses cited here and University Regulations, the University Regulations shall prevail.

Course Structure:

Subject Code	Name of Module / Course	Paper Type	Credits	Total Marks
PhD/ECN-01	Research Methodology	Core Compulsory	6	100
PhD/ECN-02A	Advanced Econometrics	Elective	6	50
PhD/ECN-02B	Agricultural Economics	Elective	6	50
PhD/ECN-03	Term Paper and Seminar Presentation*	Compulsory	6	50

*This Term Paper is mainly based on literature survey and Seminar Presentation is on this Term Paper. 6 Credits will be allocated as 3 Credits for Term Paper and 3 Credits for Seminar Presentation. Literature Survey will be pertaining to the area of research of the candidate concerned.

Award of Grades:

- A Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the coursework in order to be eligible to continue in the programme and submit the dissertation/thesis.
- Maximum two chances shall be given to the scholar for clearing the coursework, failing which may lead to cancellation of admission.

Coursework Assessment

Subject Code	Name of Module / Course	Total Marks	
PhD/ECN-01	Written Examination: 100 Marks		
	Research Methodology	Part A	20 Objective type questions x 2 = 40 5 Short answer type questions x 6 = 30
		Part B	2 Descriptive type questions x 15 = 30
PhD/ECN-02	Written Examination: 50 Marks		
	Advanced Econometrics/ Agricultural Economics	Part A	10 Objective type questions x 2 = 20 5 Short answer type questions x 4 = 20
		Part B	1 Descriptive type question x 10 = 10
PhD/ECN-03	Term Paper submission and Seminar Presentation: 50 Marks		
	Term Paper submission and Seminar Presentation on Literature Review	<ul style="list-style-type: none">• Term Paper Submission within 3500-5000 words =25• Presentation and viva voce =25	
Total		200	

Detailed Syllabus

Core Compulsory Paper- PhD/ECN-01: *Research Methodology*
Full Marks: 100

Group A

Philosophy of Research

Ontology, Epistemology, Axiology; Research types, Paradigm of Research. Research Approaches, Strategies and Techniques.

Group B

Methodology for Empirical Research

1. Practical Issues in Testing of Hypothesis

One sample parametric tests-One sample mean test, ANOVA -One sample variance test;Two sample parametric tests-Two independent sample mean test, Paired means test, Two samples variance test; Test of significance for large and small samples -Student's 't' test and Z-test; tests for Mean and difference

between means and difference between proportions; Non Parametric tests -Chi-square test; Mann-Whitney Test; Wilcoxon Signed Rank Test.

2. Field Survey Techniques

Overview of the survey process; Sources of survey error; Sample design; Question design; Question testing; Methods of data collection; Psychology of survey response; Accounting for non-response; Use of survey weights; Post-Collection Data Adjustments; Legal/Ethical Issues in Survey Research.

3. Regression Analysis and its Problems in Econometric Studies for

- a. Cross-section Data
- b. Time-series Data
- c. Panel Data

Group C

Methodology for Theoretical Research

1. Basic Mathematical Foundations (20 Lecture Hours)
 - a. Linear algebra;
 - b. Differential calculus of functions of several variables,
 - c. Elementary real analysis;
2. Optimisation Techniques (20 Lecture Hours)
 - a. Unconstrained and constrained classical optimization
 - b. Static Optimisation
 - c. Dynamic Optimisation;
3. Game Theory and Information (10 Lecture Hours)

Group D

Computer Applications

1. Computer Usage –Basics (2 Lecture Hours)
2. Programs for Document Preparation and Presentation (4 Lecture Hours)
3. Using Cross-sectional data estimation programs (12 Lecture Hours)
4. Using Time series data estimation programs (8 Lecture Hours)
5. Using Panel data estimation programs (8 Lecture Hours)

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