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ನಗರ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



**BENGALURU
CITY UNIVERSITY**

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No.BCU/Ph.D-Syllabus / 179 / 2025-26

Date.20.08.2025

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NOTIFICATION

Sub: Economics Ph.D Course Work Syllabus of Bengaluru City University

Ref: 1. The recommendations of the Board of Studies in Economics (PG)
2. Academic Council resolution No.02 dated.09.07.2025
3. Approval of the Vice-Chancellor dated.20.08.2025

In pursuance of the recommendations in the Board of Studies in Economics (PG), resolution of the Academic Council cited at ref (2) above and with the approval of the Vice-Chancellor, the Syllabus for Economics Ph.D Course Work of Bengaluru City University is hereby notified for information of the concerned, effective from the academic year 2025-26.

The copy of the Syllabus is notified in the University Website: www.bcu.ac.in for information of the concerned.


REGISTRAR

To,

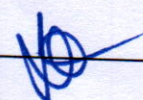
1. The Dean, Faculty of Arts, BCU.
2. The Chairman & Members of BoS in Economics (PG), BCU.
3. The Principals of the concerned affiliated Colleges of BCU – through email.
4. The P.S. to Vice-Chancellor/Registrar/Registrar (Evaluation), BCU.
5. Office copy / Guard file.



MOUNT CARMEL COLLEGE, AUTONOMOUS
Department of Economics
Recognised Research Centre – Under Bengaluru
City University

Ph.D. Coursework
2025 Batch

S. No.	Course Title	Contact Hrs per week
1	Paper I – Research Methodology	3 hrs
2	Paper II – Principles of Economics (Core Course)	3hrs
3	Paper III – Economics of Development and Indian Economy (Specialisation Course)	3 hrs
4	Paper – IV – Research & Publication Ethics	1.5 hrs



Paper I

Research Methodology

Course Objective

Research in any discipline is a base for its development. This course is an introductory course which helps students to get a preliminary knowledge on the various methods in research and their applications. The course will cover various stages of research, namely - research problem, sampling techniques, data collection methods, hypothesis testing, data analysis, research report writing. The course will help students to familiarise with concepts, tools and techniques of research and enable them to take up research work in their higher studies.

Module I: Foundations of Research

10 hours

- a. Research - meaning, objectives and characteristics
- b. Concept of theory, empiricism, Deductive and Inductive Theory
- c. Characteristics of a Scientific Method
- d. Understanding the Language of Research: Concept, Construct, Definition, Variable
- e. Research Process and Ethics in Research

Module II: Problem Identification and Formulation

12 hours

- a. Review of Literature, Research and Investigation Question.
- b. Literature Review – importance and sources
- c. Identification of Research Gap
- d. Selection of variables and corresponding descriptive methods
- e. Variables – based on causal relationship, study design and unit of measurement
- f. Hypothesis – significance and characteristics
- g. Null and Alternative hypothesis

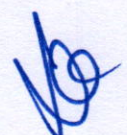
Module III: Research and Sample Design

13 hours

- a. Importance of Research Design
- b. Features of a good Research Design
- c. Exploratory, Descriptive, and Experimental Research Design - Concepts, Types, Uses
- d. Introduction to Ethnographic, exploratory, and grounded theory research
- e. Census and Sample survey
- f. Sample design – characteristics, implications of a good sample design
- g. Different types of sample designs - sampling and non-sampling errors

Module IV: Data collection and analysis of data

15 hrs



- a. Data - sources of data
- b. Methods of data collection – Observation, Interviews and Focus Group Discussions
- c. Measurement Scales and Questionnaire design
- d. Secondary data – classification and sources of information
- e. Processing of data
- f. Analysis of data – hypothesis testing – Parametric and Non- parametric test
- g. Qualitative data – philosophical assumptions and interpretative framework
- h. Processing Qualitative data – types of coding and memoing
- i. Qualitative data analysis – Thematic, Narrative and processing

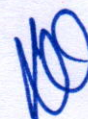
Module V: Report writing

10 hrs

- a. Purpose of Report and types
- b. Planning report writing
- c. Lay-out of the research report
- d. Principles and mechanics of report writing- precautions and evaluation
- e. Reporting guidelines for qualitative research – COREQ (Consolidated Criteria for Reporting Qualitative Research)

REFERENCES

- Ranjit Kumar. 2005, Research Methodology: A step-by-step guide for beginners. London. Sage Publications
- C.R. Kothari. 2004, Research Methodology: Methods and Techniques. Second Revised Edition.
- Leedy, Paul. 1997, Practical Research: Planning and Design. Upper Saddle River: Prentice-Hall.
- Newman, W. L. 1997, Social Science Research Methods: Qualitative and Quantitative Approaches.
- Krishnaswami, Ranganatham, 2015, Methodology of Research in Social Sciences, Himalaya Publishing House
- John W Creswell, 2013, Qualitative Inquiry & Research Design, Sage Publications



Paper II

Economics of Development and Indian Economy

Course Objective:

- *To provide a comprehensive introduction to the theoretical paradigms of economic development*
- *It enables to review major trends in economic indicators and policy debates in India with empirical evidence*

Module I: Fundamentals of Economic Development

12 hours

- Economic Growth and Economic Development
 - Differences between Economic Growth and Economic Development
 - The Core Values of Development
 - Indicators of Development: GNP, PQLI, HDI, GDI, GEM, Sustainable Development, Happiness Index, MDG, SDG
 - Obstacles to Development
- Poverty, Inequality and Development
 - Absolute and Relative Poverty
 - Measuring Poverty and Inequality: PGI (Poverty Line), GPL, MPI, Lorenz Curve and Gini Coefficients
 - Kuznet's Inverted U Hypothesis
 - Incidence of Poverty and Inequality in India
 - Government Policy and Measures

Module II: Theories of Economic Development and Growth Policies

13 hours

- Marx's theory of development of Capitalist Economy
- Lewis Theory of Surplus Labour (two sector model)
- Rostow's Stages of Growth
- Unbalanced vs. Unbalanced Development Strategy
- Leibenstein's Critical Minimum Effort Theory of Development
- Harrod-Domar Growth Model

Module III: Population Change and Economic Development

12 hours

- The Theory of Demographic Transition
- Demographic Dividend in India - Impact on Development, Challenges & Measures
- Human Capital Formation
 - Components of Human Capital Formation
 - Overview of Health and Education sectors in India
 - Role of Entrepreneurs in Economic Development
- Urbanisation and Rural-Urban Migration
 - The Urban Giantism, The First-City Bias
 - Problems and Urban Development Strategies

Module IV: Policy Evaluation – Agricultural & Industrial Sector

15 hours



- Agricultural Productivity & Impact of Green Revolution
- Agricultural Pricing Policy and MSP controversy
- Food Security & PDS
- Agrarian Reforms and its Challenges
- Impact of WTO on Indian agriculture
- Evaluation of the Impact of Public Sector Undertakings
- Need for Privatization and evaluation of Privatization & Disinvestment policy
- MSME- Challenges & Policy support

Module V: Policy Evaluation – Service sector & Macro policy Framework
hours

12

- Social Infrastructure in India
- Infrastructure and PPP Model
- Trade Policy, Exchange Rate Management & Foreign Capital
- Monetary Policy framework
- Tax, expenditure, budgetary deficits (Current) and Impact of GST
- Centre-State Financial Relations & Finance Commission

Compulsory Reading :

Development Perspectives: Was There An Alternative to Mahalanobis – Prof.Meghnad Desai
The Design of Indian Development – JagadishBhagawati
Theory and Practice of Development – AmartyaSen
Infrastructure Development in India's Reforms – MontekS.Ahulwalia
Indian Agriculture in an Open Economy: Will it Prosper? – Ashok Gulati
Liberalisation, Economic Reforms and Centre-State Relations – Raja J.Chelliah
Tax Assignment in Indian Federation – AmareshBagchi

References:

- Michael P Todaro; Stephen C Smith: *Economic Development*;Pearson
- KaushikBasu; *Analytical Development Economics*; Oxford University Press
- Isher Judge Ahluwalia; *India's Economic Reforms and Development*; Oxford India Perennials
- RK Lekhi; *Economics of Development and Planning*; Kalyani Publishers
- Uma Kapila; *Indian Economy Since Independence*; Academic Foundation
- Misra and Puri; *Indian Economy*; Himalaya Publishing House

Paper III

Principles of Economics

Course Objective:

This course provides an overview of economic tools and analytic approaches available to the

professional for scientific business decision making; pricing, forecasting, demand analysis, production and cost analysis for understanding business decisions. Aspects of macroeconomics have been introduced as it affects the business environment. The purpose of this course is to develop an economic perspective that is appropriate for students aspiring to write on situations pertaining to domestic business environment, financial system and also macro phenomena.

Module I: Introduction & Dynamics of Market Mechanism

10 hours

- Basic Concepts and Tools- Scarcity of Resources and Production Possibility Curve
- Principles - Marginalist, Equi-marginalism, Opportunity Costs, Time Perspective, Discounting
- Demand & Supply model – normal, inferior & luxury goods – Determinants of demand – Factors of Production & PPF. Exceptions to law of demand – Elasticity of demand & supply – concept & importance.
- Demand Forecasting – importance & types – methods of estimating demand

Module II: Production, Cost & Revenue

10 hours

- Production Function - Short and Long Run, CES and Cobb – Douglas
- Cost – output relationship in short and long run
- Revenue Concepts- AR, MR and TR under different market structure
- Break Even Analysis & Pricing Strategies
- Economies of Scale and Economies of Scope

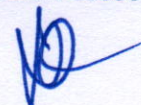
Module III: Market Structure - price – output determination

10 hours

- ‘Adam Smith’s Invisible Hand’ and perfect competition
- Monopoly – Meaning, - Equilibrium
- Price discrimination definition, types
- Understanding monopolistic competition – characteristics & Equilibrium
- Oligopoly market – meaning – concept of collusion and cartel

Module IV : Introduction to Macro Indicators (NI , Consumption & Investment) 10 hours

- Measuring Output – Gross National Product - Nominal GNP, Real GNP and GNP Deflator, Gross Domestic product, Net National product, National Income and Disposable Income.
- The Approaches to measure GNP - The Final Goods Approach and Income Approach., Intermediate goods and Value added approach
- GNP and Economic Well Being , Social Accounting, Difficulties in NI Accounting



- Theories of Aggregate Consumption- Keynesian theory of Consumption Function, Relative Income Hypothesis, Permanent Income Hypothesis & Life Cycle Hypothesis
- Theory of Investment and Capital Accumulation- Concept and Types of Investment, MEC & MEI

Module V : Keynesian and Post Keynesian Analysis

10 hours

- Investment Multiplier – Meaning, Assumptions - Working of the multiplier – leakages and importance
- Accelerator - Meaning, Assumptions - Working - importance
- The Super Multiplier
- The IS-LM Model in a simple economy -product market equilibrium -money market equilibrium- simultaneous equilibrium of product and money market

Module VI : Inflation and Business Cycle

10 hours

- Inflation- Meaning, Types of Inflation
- Effects of Inflation- Measures to control Inflation
- Deflation – Meaning and Causes
- Inflation- Unemployment trade-off- Phillips Curve
- Business Cycles- Meaning, types & features
- Measures to control business cycles.
- Macro policy management – Dynamics

Reference:

- Case, F. (2022). *Principles of Economics 12Th Edition* (12th ed.). Pearson India.
- Mankiw, G. N. (2015). *Principles of Microeconomics, 7Th Edition*. Cengage India.
- Ahuja, H. L. (2016). *Principles of Microeconomics*. S.Chand & Company Ltd.
- Dwivedi D.N, (2018). *Macroeconomics, Theory and Policy* (5th edition). Mc Graw Hill India.
- Sikdar, S. (2020). *Principles of Macroeconomics* (3rd ed.). Oxford University Press.s



प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission

(मानव संसाधन विकास विभाग, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

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D.O.No.F.1-1/2018(Journal/CARE)

December, 2019

Respected Sir/Madam,

University Grants Commission in its 543rd meeting held on 9th August, 2019 approved two Credit Courses for awareness about publication ethics and publication misconducts entitled "**Research and Publication Ethics (RPE)**" to be made compulsory for all Ph.D. students for pre-registration course work (attached as Annexure).

In view of the above, you are requested to ensure that the above two Credit courses may be made compulsory for all Ph.D. students for pre-registration course work undertaken in your University from the forthcoming academic session.

With regards,

Yours sincerely,

(Rajnish Jain)

TO THE VICE-CHANCELLORS OF ALL UNIVERSITIES

ANNEXURE

Course Title:

- **Research and Publication Ethics (RPE)**-Course for awareness about the publication ethics and publication misconducts.

Course Level:

- 2 Credit course (30 hrs.)

Eligibility:

- M.Phil., Ph.D. students and interested faculty members (It will be made available to post graduate students at later date)

Fees:

- As per University Rules

Faculty:

- Interdisciplinary Studies

Qualifications of faculty members of the course:

- Ph.D. in relevant subject areas having more than 10 years' of teaching experience

About the course

Course Code: CPE- RPE

Overview

- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Pedagogy:

- Class room teaching, guest lectures, group discussions, and practical sessions.

Evaluation

- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

Course structure

- The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit title	Teaching hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

Syllabus in detail

THEORY

- RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

- RPE 02: SCIENTIFIC CONDUCT (5hrs.)**

1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

- RPE 03: PUBLICATION ETHICS (7 hrs.)**

1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

PRACTICE

- RPE 04: OPEN ACCESS PUBLISHING(4 hrs.)**



1. Open access publications and initiatives
 2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
 3. Software tool to identify predatory publications developed by SPPU
 4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.
- **RPE 05: PUBLICATION MISCONDUCT (4hrs.)**
 - A. Group Discussions (2 hrs.)**
 1. Subject specific ethical issues, FFP, authorship
 2. Conflicts of interest
 3. Complaints and appeals: examples and fraud from India and abroad
 - B. Software tools (2 hrs.)**

Use of plagiarism software like Turnitin, Urkund and other open source software tools
 - **RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)**
 - A. Databases (4 hrs.)**
 1. Indexing databases
 2. Citation databases: Web of Science, Scopus, etc.
 - B. Research Metrics (3 hrs.)**
 1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
 2. Metrics: h-index, g index, i10 index, altmetrics

References

- Bird, A. (2006). *Philosophy of Science*. Routledge.
- MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
- P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press.
- Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1–10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
- Bcall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179–179. <https://doi.org/10.1038/489179a>
- Indian National Science Academy (INSA), *Ethics in Science Education, Research and Governance*(2019), ISBN:978-81-939482-1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf