




Department of Economics
School of Social Sciences
Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

Proposed Syllabus for Pre Ph.D Coursework: 2023-24

Paper Code	Types of Papers	Credit	Classes	Max. Marks	Min. Passing Marks
ECO: Ph D 101	Research Methodology	4	60	100	50
ECO: Ph D 102	Research Ethics and Practices	4	60	100	50
ECO: Ph D 103	Current Economic Issues	4	60	100	50
	Seminar (Only Qualifying)			100	Only Qualifying

Note: The Seminar presentation is compulsory to be passed but the marks will not be added to the overall evolution marking.

Given Consent-
Online

Research Methodology

Module I: Foundations of Research

Foundations of Research: Meaning of Research, objectives of research, Types of Research, Research Approaches, Significance of Research, Research Methods versus Methodology, Research Process.

(12 classes)

Module II: Research Processes

Research Design: Meaning of Research Design, Need for Research Design, important concepts relating to Research Design, Different Research Designs- Exploratory, descriptive. Concept of population, sample, sampling frame, Parameter, Statistic,

(12 classes)

Module III: Hypothesis Testing

Hypothesis: Definition, null hypothesis and alternative hypothesis, hypothesis Testing- Type I and Type II error, Sampling distribution, standard error-utility of standard error, sampling error. Tests of Hypothesis:

(12 classes)

Module IV: Data Analysis

Correlation; Simple, Coefficient of correlation - Karl Pearson, Calculation of Correlation Coefficient in a bivariate frequency distribution, Spearman's Rank Correlation, Regression, Student's, t-tests, F-test.

(12 classes)

Module V: Report Writing

Research Report Writing: Types of research reports, Structure of the research report- Formulation rules for writing the report: Guidelines for presenting tabular data, Guidelines for visual Representations, Documentation, foot notes, end notes and bibliography.

(12 classes)

Basic Reading List

1. Kothari R.C. Research Methodology, Methods and techniques, New Age International Publishers.
2. Don E. Ehridge Research Methodology in Applied Economics: Organizing, Planning and Conducting Economics Research, John Wiley and sons, April 2004
3. Goode and Hart, Research Method
4. C.T. Kurian - A Guide to Research in Economics
5. An Introduction to Applied Econometrics- a time series approach: Kerry Patterson,

Given
Consent
online

Ry

RKS

6. Palgrave Houndmills, Basingstoke, Hampshire and New York.
7. Gujarati D. N. (1995), Basic Econometrics (2nd Edition) McGraw Hill, New Delhi.
8. Jack Johnston and John Dinardo, Econometric Methods, McGraw-Hill International Editions, Singapore, 1997
9. Jeffrey M. Wooldridge, Econometrics, CENGAGE learning, India Edition, 2009
10. Dimitrios Asteriou and Stephen Hall, Applied Econometrics: A Modern Approach,
11. Palgrave Macmillan, 2007.
12. Damodar Gujarati, Econometrics by Example, Palgrave Macmillan, 2011.

Research Ethics & Practices

Module I: Philosophy and Ethics

Introduction to Philosophy- definition, nature and scope, concept, branches, Ethics- definition, moral philosophy, nature of moral judgment and reactions.

(06 Classes)

Module II: Research Ethics

Ethics in relation to science and research, intellectual honesty and research integrity, scientific misconduct-falsification, fabrication and plagiarism (FFP); redundant publications-duplicate and overlapping publications, and salami slicing; selective reporting and misrepresentation of data.

(12 Classes)

Module III: Publication Ethics

Publication ethics- definition, introduction and importance; Best practices/standard setting initiatives and guidelines-COPE, WAME, etc.; conflicts of interest; Publication misconduct- definition, concept, problems and types; Violation of publication ethics, authorship and contributorship.

(12 classes)

Module IV: Research Practice

Open access publishing- open access publications and initiatives, online resources to check publisher copyright & self-archiving policies, software tool to identify predatory publications, journal finder/journal suggestion tools, use of plagiarism software.

(06 classes)

*Clinical
Consent-
online*

Ry - (RX8) →

Module V: Databases and Research Metrics

Databases- Indexing databases, citation databases-Web of science, Scopus, etc.; Research metrics-impact factor of journal, metrics- h index, g index, i10 index, altmetrics.

(06 classes)

Basic Reading List

1. Bird, A. (2006), Philosophy of Science, Routledge.
2. MacIntyre, A. (1967) A Short History of Ethics, London.
3. P. Chaddah, (2018) Ethics in competitive Research: Do not get scooped; do not get plagiarized, ISBN: 978-9387480865.
4. 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.
5. Resnik, D. B. (2011) What is ethics in research & why is it important, National Institute of Environmental health Sciences.
6. Beall, J. (2012) Predatory publishers are corrupting open access.

Current Economic Issues

Module I: Demography and developmental Challenges

Demographic transition; population policies, human development and main power planning, migration and urbanization issues, major issues related to poverty, inequality and unemployment; critical appraisal of government measures. (12 Classes)

Module II: Issues in Infrastructural

Developmental challenges in physical infrastructural; energy, transport and communication; challenges in social infrastructure; education and health, financing infrastructure development and policies issues. (12 Classes)

Module III: Sectoral Growth and Policies

Input use and growth in Indian agriculture, food security, food procurement and distribution, farm indebtedness, subsidies, agricultural marketing and price policy; second generation green revaluation, climate change and policy for sustainable agriculture, diversification of agriculture.

Trend and Composition of Industrial growth, privatization and disinvestment debate, issues related to sick units and government policies, performance of MSME sectors, Land acquisition, SEZ, Issues in labor market reform. (12 Classes)

Given
Consent-
online

Ry — RKS

Module IV: Issues in Fiscal & Financial Sectors

Fiscal sector reforms in India- tax and expenditure reforms, issues concerning GST, fiscal consolidation and debt management, Fiscal federalism- vertical and horizontal Imbalances.

Reforms in the Banking Sector, Reforms in the Debt Market.

(12 Classes)

Module V: Issues in International Trade

Composition and Direction of Foreign trade; Exim Policies and Trade Liberalization, WTO and Agriculture, Issues concerning FDI in India, Regional groups and globalization; OPEC, ASEAN, NAFTA, G20, BRICS).

(12 Classes)

Basic Reading List

1. Datt, R. and K.P.M. Sundharam (latest), Indian Economy, S. Chand & Company Ltd., New Delhi.
2. Dhingra, I. C. (latest edition), The Indian Economy: Environment and Policy, Sultan Chand & Sons, New Delhi.
3. Misra, S.K. and V.K. Puri (latest edition), Indian Economy — Its Development Experience, Himalaya Publishing House, Mumbai.
4. Government of India, Economic Survey (Annual), Economic Division, Ministry of Finance, New Delhi.
5. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
6. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.

Given
Consent-
Online

Ry

RKS

7