

GURU KASHI UNIVERSITY



Doctor of Philosophy

Session: 2025-26

Department of Economics

Faculty of Sciences, Humanities and Languages

Graduate Outcomes of the Programme:

The graduate outcomes for a PhD in Economics typically reflect the advanced skills and expertise gained through the program, preparing graduates for careers in academia, research, government, and the private sector.

Program Learning Outcomes: After completing the program, the learner will be able to:

1. Students learn to address complex economic problems using microeconomic and macroeconomic theory, calculus, and statistical tools. This includes solving issues with ambiguous solutions and evaluating policy trade-offs.
2. Ability to assess economic arguments, identify underlying assumptions, and compare competing theories or policies (e.g., evaluating market failures or the impact of fiscal/monetary policy).
3. Students can explain and graph key economic models, such as price mechanisms, comparative advantage, and market equilibrium.
4. Skills in data collection, cleaning, and analysis using statistical software for tasks like forecasting or policy evaluation.
5. Apply machine learning and big data techniques to economic research, particularly in advanced programs.
6. Promotes ethical research practices and sensitivity to diverse field of Economics.

Program Structure									
Course Code	Course Title	Type of Course	L	T	P	Total Credits	Int.	Ext.	Total
PPH105	Research Methodology	Core	4	0	0	4	30	70	100
PPH121	Advanced Economic Theories and Policies	Core	4	0	0	4	30	70	100
PPH102	Research and Publication Ethics	Core	2	0	0	2	30	70	100
PPH104	Computer Applications in Research	Skill Based	0	0	4	2	30	70	100
Total			10	0	4	12	120	280	400

Course Title: Research Methodology
Course Code: PPH105

L	T	P	Credits
4	0	0	4

Total Hours: 60

Learning Outcomes

On successful completion of this course, the students will be able to

1. Discuss the various kinds of research, objectives, hypothesis and research process, and sampling.
2. Demonstrate the research design and methods needed in the field study.
3. Examine the various research papers, policy papers and reports of Social Science.
4. Formulate the charts, tables and graphs, commonly found in Social Sciences.

Course Content

Unit-I

13 Hours

1. Research in Social Sciences: Meaning, Nature and Problems
2. Methods of Research in Social Sciences

Unit-II

17 Hours

3. Research Design: Meaning, Types and Steps involved in the formulation of Research Design.
4. Techniques and Methods of data collection: Observation, Interview, Questionnaire and Schedule, Case Study, Historical, Experimental, Survey Method and Likert scale, Semantic scale.

Unit-III

16 Hours

5. Sampling Techniques: Probability and Non-probability methods. Qualities of a Good Sample
6. Testing of Hypotheses, Methods of data analysis: Analysis of quantitative data and its presentation with tables, graphs etc, measures of central tendency, dispersion.

Unit-IV

14 Hours

7. Research and Academic Integrity: Copyright issues, Objectivity and Plagiarism in research
8. Report writing and Thesis Writing.

Transaction Mode

- Group Discussion, Quiz, Open Talk, One minute presentation, Assignment

Suggested Readings

- Adams, K. A., & Lawrence, E. K. (2015). Research methods, statistics and applications. Sage Publications.

- Agarwal, Y. P. (2004). *Statistical Methods: Concepts, Application and Computation*. New Delhi: Sterling Publishers.
- Aiken, L.R., & Marnat, G. G. (2009). *Psychological testing and assessment*. Noida (U.P.): Pearson.
- Anastasi, A., & Urbina, S. (2014). *Psychological testing*. New Delhi: PHI Learning Private Limited.
- Best J.W. (1999). *Research in Education*. New Delhi: Prentice Hall of India Pvt. Ltd.
- Best, J.W., & Kahn, J. W. (2006). *Research in education*. New Delhi: PHI Learning Private Ltd.
- Bogdon, R., & Biklen, S. K. (2008). *Qualitative Research for Education: An Introduction to Theories and Practice*. New Delhi: PHI learning
- Check, J., & Jurs, S. G. (2009). *Research methods in education*. Pearson Publications. Page 5 of 16
- Creswell, J.W. (2015). *Educational Research Planning Conducting and Evaluating Quantitative and qualitative Research*. Boston: Publications.
- Curtis, W., Murphy, M., & Shields, S. (2013). *Research and Education*. New York & London: Routledge
- Efrat Efron, S., & Ravid, R. (2013). *Action Research in Education: A Practical Guide*, New York: Routledge
- Egbert, J., & Sanden, S. (2013). *Foundations of Education Research: Understanding Theoretical Components*. New York: Routledge.
- Gupta, S.C. and Kumar, V. (2020), *Fundamentals of Mathematical Statistics*. Sultan Chand and Sons.
- Gupta, S. P. (2021) *Statistical Methods*, Delhi: Sultan Chan& Sons Publication (Forty Sixth Revised Edition)

Course Title: Advanced Economic Theories and Policies

L	T	P	Cr.
4	0	0	4

Course Code: PPH121

Total Hours: 60

Course Learning Outcomes: After successful completion of this course, the students will be able to

1. Able to understand advanced microeconomic theories of market uncertainties and externalities.
2. The student shall understand the advanced macro-economic theories and models of output, employment, business cycle and also explore the fiscal and monetary policies.
3. Evaluate the various policies of Indian economy as well as Indian banking system and also analyse the Indian economy from various prospective.
4. Analyze current issues and policies using the concepts of international trade theory and also examine the factors that contributing in intra industry trade

Course Content

UNIT-I 15 hours

Modern micro economic theories with focus on risk and uncertainty. Markets with Asymmetric Information: Welfare Economics: Pigovian Welfare, Value judgments, Pareto-optimality for a public vs private goods, Externalities, their importance and market failure.

UNIT-II 15 hours

New Classical Macro Model: Adaptive expectation, Rationale expectation and Policy

Ineffectiveness; Real business cycle model; New Keynesian Model and their critique. Monetary and Fiscal Policy in the open Economy model, case studies of Indian monetary and fiscal policies since 1999.

UNIT-III 15 hours

Banking reforms, GST and demonetization. Rural Livelihood Mission, MGNREGA. Impact of the Covid19' pandemic on the GDP, Employment, trade, and migration of India.

UNIT-IV

15 hours

Modern theory of trade and trade Policy, Intra-Industry Trade, Free Trade versus Protection, Analysis of gains from free trade. Theories of Balance of Payment and exchange rate determination. Policy Conflicts and Adjustment under Fixed and Flexible Exchange Rates

Transaction Mode- Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

SUGGESTED READINGS

- Koutsoyiannis, A. *Modern Micro Economics*, McMillan Press, London, Latest Edition.
- Pindyck, R. and Rubinfeld, S. (2013). *Micro-Economics*, Prentice Hall of India, New Delhi.
- Shapiro, E. (2013). *Macroeconomic Analysis*, Galgotia Publications.
- Briet, W. and Hochman, H M (ed.) (1971). *Readings in Microeconomics*, Dryden Press.
- Baumol, William J. and Blinder, Alan S. (2009). *Macroeconomics: Principles and Policy*, South-western Cengage learning.
- Jha, R. (1991). *Contemporary Macro Economic Theory and Policy*, Wiley Eastern, (Ch. 9-14, 22).
- Meier, G.M and Rauch, James E. (ed.) (2005). *Learning Issues in Economic Development*, Oxford University Press.
- Singh, S.P. (ed.) (1978). *Underdevelopment to Development Economics*, Oxford University Press.
- Ackley, G. *Macroeconomics: Theory and Policy*, Macmillan, New York, Latest Edition.

Course Title: Research and Publication Ethics**Course Code: PPH102**

L	T	P	Credits
2	0	0	2

Total Hours 30

Course Learning Outcomes: After successful completion of this course, the students will be able to

1. To have awareness about the publication ethics and publication misconducts.
2. To understand indexing and citation databases, open access publications, research metrics (citations, h-index, impact factor etc.)
3. Develop hands-on skills to identify research misconduct and predatory publications.

Course Content

- **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** **(5 Hrs.)**
 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
 5. Journal Finder, Springer Journal Suggester, etc.

- **RPE 05: PUBLICATION MISCONDUCT (4 Hrs.)**
 - 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 (7 Hrs.)**
 - 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

Suggested Readings

- Bird, A. (2006). *Philosophy of Science*. Routledge.
- MacIntyre, A. (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.
- Rensik, 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/resources/bioethics/whatis/index.cfm>
- Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489(7415), 179-179. <https://doi.org/10.1038/489179a>

Course Title: Computer Applications in Research
Course Code: PPH104

L	T	P	Credits
0	0	4	2

Total Hours 30

Learning Outcomes: On the completion of the course the students will be able to

1. The students will become familiar with the usage of software for managing the reference.
2. To make literature reviews easily.
3. To make reference management by using open software.

Course Content

Unit-I

06 Hours

MS Word Essentials-Create a document with styled headings and subheadings, Add headers, footers, and page numbers, Adjust page layout settings (margins, orientation, page size).

Table Creation and Management-Insert, format, and style tables, Adjust cell size, merge/split cells, and sort/filter data.

Working with Graphics-Insert and format images, shapes, SmartArt, and text boxes, Apply text wrapping around objects.

Unit-II

08 Hours

Basics of PowerPoint- Slide layouts, themes, and templates, Adding multimedia: Images, audio, and videos.

Advanced Techniques- Animations and transitions for visual effects, Slide master for consistent formatting, Interactive elements: Hyperlinks and action buttons.

Design Best Practices- Typography, color schemes, and visual hierarchy, Tips for engaging presentations.

Unit-III

08 Hours

Introduction to Mendeley- Installing and setting up Mendeley Desktop and Web, Importing references from various sources.

Organizing References- Creating folders and tagging references, Annotating and highlighting PDFs.

Citations and Bibliography- Integrating Mendeley with MS Word, using citation styles (APA, MLA, Chicago), Generating a bibliography automatically.

Unit-IV

08 Hours

AI Tools for Productivity- Text-Based AI Tools (e.g., ChatGPT) Writing assistance, summarization, and brainstorming, Grammar and style checking, Image and Design Tools, Speech and Audio Tools

Suggested Readings

- Office 2007 in Simple Steps, Kogent Solutions, (Wiley Publishers).
- MS-Office 2007 Training Guide, S. Jain (BPB Publications).
- Computer Fundamentals by P.K. Sinha (BPB Publications).
- <https://www.mendeley.com/referencemanagement/reference-manager>
- <https://chat.openai.comhttps://edu.google.com/workspac-e-for-education/classroom/>