



# Savitribai Phule Pune University

(Formerly University of Pune)

Faculty of Humanities  
Board of Studies in Economics

## Coursework Syllabus for Ph. D in Economics

To be implemented from Academic Year 2024-25

**Savitribai Phule Pune University Pune**  
**Ph.D. Course Work Syllabus - Economics (16 Credits)**  
(w.e.f. 2024-25)

**Preamble**

As per the University Grants Commission (UGC) guidelines the students who have admitted for Ph.D. in Economics will have to complete course work for one semester duration. The course work shall be treated as prerequisite for the Ph.D. Program. The course will have 16 credits.

The Ph.D. Course work shall consist of the following components;

<b>Course</b>	<b>Name of the Course</b>	<b>Credits</b>	<b>Marks</b>
Course 1	<b>Research Methodology</b> (Including Quantitative methods, Computer applications, review of published research in the relevant field, training, fieldwork, writing of research proposal for obtaining financial assistance from national funding agencies, etc.)	04	100
Course 2	Attending at least One Seminar/Conference/Workshop (National/International)	01	25
Course 3	Subject Specific Advanced Level Course - I	04	100
Course 4	Subject Specific Advanced Level Course - II	04	100
Course 5	Research & Publication Ethics	02	50
Course 6	Pedagogical Training / Industrial Visit Report / Assessment Statement	01	25
	<b>Total</b>	<b>16</b>	<b>400</b>

## Syllabus

### Course 1: Research Methodology

Credits: 04 Marks: 100

#### Course Objectives:

- 1) To Provide Research Methodology knowledge to the students
- 2) To skill the students towards the quantitative and qualitative methods used in research
- 3) To train the students towards the research techniques used in research.
- 4) To train the students towards the computer applications and its use in research.
- 5) To teach the students fundamentals in report writing
- 6) To introduce the students to national level research funding institutions.

#### Units and Contents

<b>Unit 1 - Introduction</b>	<b>12 Hours</b>
1.1 - Meaning & Concept of Research	
1.2 - Types and approaches of Research	
1.3 - Importance and Limitations of research in Social Sciences	
1.4 - Review of published research	
<b>Unit 2 - Research Design &amp; Sampling</b>	<b>16 Hours</b>
2.1 - Defining the research problem	
2.2 - Steps in research designing	
2.3 - Good research design	
2.4 - Sampling for research – Steps in research sampling	
2.5 - Methods for sampling – Random and Non-Random Methods	
2.6 - Characteristics of Good Sample for research	
<b>Unit 3 - Data Collection for Research</b>	<b>14 Hours</b>
3.1 - Types of Data: Primary and Secondary	
3.2 - Methods to collect primary data.	
3.3 - Difference between Questionnaire and Schedules	
3.4 - Collection of secondary data	
<b>Unit 4 - Data Processing</b>	<b>18 Hours</b>
4.1 - Processing Operations for Primary Data	
4.2 - Basic statistics in research – central tendency, dispersion, asymmetry, relationship, etc.	
4.3 - Simple regression analysis.	

4.4 - Hypothesis testing – methods.

4.5 - Use of Computer Applications – MS-Excel, Open-source software for data processing

## References:

1. Bhandarkar P. L. and Wilkinson T. C. (2016), “Methodology and Techniques of Social research”, Himalaya Publishing House, Mumbai.
2. William Josiah Goode, Paul K. Hatt (1952), “Methods in Social Research”, McGraw-Hill Book Co., New York.
3. Krishnaswamy, O.R. (2010), “Methodology of Research in Social Sciences”, Himalaya Publishing House, Mumbai.
4. Arunangshu Giri and Debasish Biswas (2018), “Research Methodology for Social Sciences”, SAGE Publications India Pvt Ltd, New Delhi. Savitribai Phule Pune University, Pune | Syllabus for M.A. Economics Part - I Semester -I& II 31
5. M, Thamarasan (2015), “Research Methodology for Social Sciences”, New Century Publications, New Delhi.
6. Sharma, Prasad and Satyanarayana (1983), “Research Methods in Social Sciences”, Sterling Publishers Private Ltd., New Delhi.
7. C.A. Moser, G. Kalton (2017), “Survey Methods in Social Investigations”, eBook Published 5 January 2017.
8. Sadhu AN, Amarjit Singh (2007), “Research Methodology in Social Sciences”, Himalaya Publishing House, New Delhi.
9. Kurein C. T. (1973), “A guide to research in Economics”, Sangam Publishers for Madras Institute of Development Studies, Madras.
10. Devendra Thakur (2009), “Research Methodology in Social Sciences”, Deep & Deep Publications, Delhi.
11. G.R. Basotia, K.K.N. Sharma (2009), “Research Methodology”, Mangal Deep Publications, Jaipur.
12. Kothori C.R., Gaurav Garg (2019), “Research Methodology”, New Age International Publishers, New Delh.
13. Gopal M.H. (1971), “Introduction to Research Procedure in Social Sciences”, Asia Publishing House.
14. Khandhare V.B., Yadav Y., (2016), “Research Methodology”, Chinmay Publication, Aurangabad.
15. Sharma, B.A.V.; D. Ravindra Prasad, P. Satyanarayana (1983), “Research Methods in Social Sciences”, Sterling publishers, New Delhi.
16. Thakur Devendra (2009), “Research Methodology in Social Sciences”, Deep and Deep Publications, Delhi.
17. Young P.V. (1984), “Scientific Social Survey and Research”, Prentice Hall, India

18. Aaglave Pradeep, (2020), “Samajik Sanshodhan : Paddhatishastra Wa Tantre”, Shree Sainath Prakashan, Nagpur.

**Pattern of Evaluation:**

Time: 3 Hours

Total Marks: 100 (Minimum Passing Marks: 40%)

**Question Paper Pattern -**

Q1. Answer the Following Multiple Choice Questions (Any 10 out of 12) 20

Q2. Write a note on the adoption of quantitative methods. 20

OR

Write a note on the use of computer applications in research 20

Q3. Review of Literature on research topic 20

Q4. Prepare a research proposal 40

**Course 2:**

**Attending at least One Seminar/Conference/Workshop (National/International)**

**Credits: 01 Marks: 25**

**Nature of the Course:**

Students admitted for Ph.D. program in Economics have to attend/ participate in the seminars at state/national/International level organized by various educational institutes. The certificate of Participation/Attendance will have 25 Marks which is equal to One Credit.

**Course 3**  
**Subject Specific Advanced Course - I**  
**Theories in Economics**  
**Credits: 04 Marks: 100**

**Objectives:**

- 1) To introduce economic theories to the students
- 2) To develop ability among the students in response to theories in economics
- 3) To introduce basic principles of theories in economics to the students
- 4) To explore theoretical base for research in economic

**Units & Contents**

<b>Unit 1 - Theories of Economic Growth</b>	<b>16 Hours</b>
1.1 - Classical Theories – Adam Smith, David Ricardo, Malthus	
1.2 - Harrod-Domar Model, theory of Big Push	
1.3 - Lewis theory of economic development	
1.4 - Neoclassical theory – Robert Solow	
1.5 - New Growth Theory	
<b>Unit 2 - Theories of International Trade</b>	<b>14 Hours</b>
2.1 - International Trade and Economic Growth	
2.2 - The Heckscher-Ohlin Theorem	
2.3 - Product Life Cycle and Technology Gap Models	
2.4 - Krugman’s New Economic Geography	
<b>Unit 3 - Public Finance and Welfare</b>	<b>15 Hours</b>
3.1 - Economic Activities of the State	
3.2 - Principle of Maximum Advantage	
3.3 - Public Revenue Policy	
3.4 - Public Expenditure Policy	
<b>Unit 4 - Market Economics</b>	<b>15 Hours</b>
4.1 - Consumer Behaviour – Utility, Consumer Surplus	
4.2 - Demand analysis – Law of Demand, Elasticity of Deman – Types	
4.3 - Supply Analysis – factors of production, cost & revenue concepts	
4.4 - Laws to returns, Law of variable proportions	

**References:**

1. Thirlwall, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.

2. Todaro, M.P. (1996), (6th Edition), Economic Development, Longman, London.
3. International Economics Srivastava, O.S Kalyani Publishers 2012 Ludhiyana
4. International Economics Soderston, Bo the Macmillan Press Ltd 2005 London
5. Musgrave, Richard A and Musgrave, Peggy B (1989), Public Finance in4. Theory and Practice, Tata McGraw Hill, New Delhi.
6. Advanced Economic Theory Ahuja H.L. S. Chand & Company Ltd. 2004 New Delhi
7. Micro Economics D.N. Dwivedi Pearson Publication 2011 New Delhi
8. Advanced Microeconomic Theory Misra S.K. and V.K. Puri Himalaya Publishing House 2001 New Delhi
9. Micro Economics Mansfield, E. W. W. Norton and Company 1997 New York

### **Pattern of Evaluation:**

Time: 3 Hours

Total Marks: 100 (Minimum Passing Marks: 40%)

#### **Question Paper Pattern and Marks**

Q1. Answer the Following Multiple Choice Questions (Any 10 out of 12)	20
Q2. Answer the Following Questions (Any Five out of Six)	30
Q3. Answer the Following Questions (Any Five out of Seven)	50



**Course 4**  
**Subject Specific Advanced Course - II**  
**Development Economics**  
**Credits: 04 Marks: 100**

**Objectives:**

- 1) To develop an ability among the students to evaluate nexus between agriculture growth and economic development
- 2) To evaluate the role of labour issues in economic development
- 3) To understand sources and changing structure of financial institutes in India
- 4) To Have a Review of development strategies in India

**Units & Contents**

<b>Unit 1 - Agriculture and Economic Development</b>	<b>15 Hours</b>
1.1 - Role of Agriculture in Economic Development	
1.2 - Changing Status of agriculture in economic development	
1.3 - Climate change and agriculture in India	
1.4 - Barriers in agriculture development	
1.5 - Agriculture Marketing and Agricultural Prices in India.	
<b>Unit 2 - Labour and Employment</b>	<b>15 Hours</b>
2.1 - Meaning and concept of Labour	
2.2 - Labour Economics – Nature, Scope and Importance	
2.3 - Labour Market in India – Characteristics	
2.4 - Labour Force and Work Force: Meaning and nature	
2.5 - Formal and informal employment – status and problems	
<b>Unit 3 - Banking and Finance in India</b>	<b>15 Hours</b>
3.1 - Structure of Financial System in India	
3.2 - Financial Sector reforms in India	
3.3 - Growth of Banking and non-banking financial institutions in India	
3.4 - Growing Importance of Insurance	
<b>Unit 4 - Development Strategies in India</b>	<b>15 Hours</b>
4.1 - Replacement of planning commission by NITI Ayog	
4.2 - Poverty Eradication programmes – Food security, Awas Yojna	
4.3 - Employment Generation Programme – for Rural and Urban	
4.4 - Promotion to industrial output	
4.5 International agreements and foreign trade policies	

## References:

1. Lekhi R.K. & Singh J. (2013), 'Agricultural Economics', Kalyani Publisher, New Delhi.
2. .Reddy, Ram, Sastry & Devi (2010), 'Agricultural Economics', Oxford & IBH Publishing Co. Pvt.Ltd., New Delhi.
3. R.G. Desai (2001), 'Agricultural Economics- Madels Problems and Policy Issues' Himalaya Publishing House, Mumbai.
4. Keynes, J. M. (1935). The General Theory of Employment, Interest and Money. Atlantic Publishers and Distributors (P) Ltd, New Delhi, India.
5. Roy B Helfgott: Labour Economics. Random House New York (1973).
6. Ahluwalia I.J. (1985), 'Industrial Growth in India' Oxford University Press, New Delhi.
7. Barthwal R.R. (2019), 'Industrial Economics,' New Age Publications

## Pattern of Evaluation:

Time: 3 Hours

Total Marks: 100 (Minimum Passing Marks: 40 %)

### Question Paper Pattern -

Q1. Answer the Following Multiple Choice Questions (Any 10 out of 12)	20
Q2. Answer the Following Questions (Any Five out of Six)	30
Q3. Answer the Following Questions (Any Five out of Seven)	50

**Course 5**  
**Research and Publication Ethics**  
**Credits: 02 Marks: 50**

**Notification**

UGC mandated a Two-Credit course on Research and Publication Ethics From the academic year 2021-22, the Centre for Publication Ethics (CPE) is conducting University Grants Commission approved (UGC Notification - D.O.No.F.1-1/2018) (Journal/CARE) a two-credit course entitled “Research and Publication Ethics” (RPE) for all registered Ph.D. students for pre-registration course work (SPPU circular no. 103/2021 dated 8th April 2021).

**Overview:**

This course has total six 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. More details about the course are mentioned below:

**Objectives:**

- 1) To create awareness among students about ethical practices in research work
- 2) To promote them to adopt ethical ways in research
- 3) To alert them from drawbacks of malpractices in research and its side effects for them
- 4) To explain them the benefits of research based on ethics

**Course Level:** Two Credit course (30 hrs.)

**Course code:** CPE-RPE

**Eligibility:** Registered Ph.D. students

**Number of seats:** As per University rules

**Fees:** As per University rules

**Faculty:** Interdisciplinary studies

**Course duration:** One month

**Start date:** As per University notes

**Qualifications of faculty members of the course:** Ph.D. in relevant subject areas having more than 10 years of teaching experience.

**Pedagogy:** Online classes, group discussions, and online practice sessions.

**Evaluation:** Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final online examination will be conducted at the end of the course as per the university rules and regulations.

**Online Registration:**

[http://bcud.unipune.ac.in/PHDTracking/PhdStud\\_Signup/Login.aspx](http://bcud.unipune.ac.in/PHDTracking/PhdStud_Signup/Login.aspx)

**Syllabus Link:** Course structure

<https://ugccare.unipune.ac.in/Apps1/content/files/December%202019%20syllabus-rpe-ugc.pdf>

**References:**

1. Singh, Ahlawat, Sharma (2023), Research & Publication Ethics, S. Chand & Sons Ltd, New Delhi.
2. Sadhu AN, Amarjit Singh (2007), "Research Methodology in Social Sciences", Himalaya Publishing House, New Delhi.
3. Kurein C. T. (1973), "A guide to research in Economics", Sangam Publishers for Madras Institute of Development Studies, Madras.
4. Devendra Thakur (2009), "Research Methodology in Social Sciences", Deep & Deep Publications, Delhi.
5. G.R. Basotia, K.K.N. Sharma (2009), "Research Methodology", Mangal Deep Publications, Jaipur.
6. Kothori C.R., Gaurav Garg (2019), "Research Methodology", New Age International Publishers, New Delh.
7. Gopal M.H. (1971), "Introduction to Research Procedure in Social Sciences", Asia Publishing House.
8. Yogita Sharma, Arti Sharma (2021), Research & Publication Ethics, Kalyani Publication.

## Course 6

### **Pedagogical Training /Industrial Visit Report/Assessment Statement**

**Credits: 01 Marks: 25**

The nature of the course will be in the form of report preparation on the basis of industrial/field visits OR participation in pedagogical training programmes.

#### **Pattern of Evaluation:**

The students will have to complete any one of the following assignments. Submission of the assignment will carry 25 marks of the course.

- 1) A study report on an industrial/Field visit
- 2) A book review on any of the reference books in economics
- 3) A PPT presentation on any topic in economics.