



# **Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj**



## **National Education Policy-2020 Common Minimum Syllabus for all U.P. State Universities/ Colleges**

### **SUBJECT: ECONOMICS**

<b>Name</b>	<b>Designation</b>	<b>Affiliation</b>
<b>Steering Committee</b>		
Mrs. Monika S. Garg, (I.A.S.), Chairperson Steering Committee	Additional Chief Secretary	Dept. of Higher Education U.P., Lucknow
Prof. Poonam Tandan	Professor, Dept. of Physics	Lucknow University, U.P.
Prof. Hare Krishna	Professor, Dept. of Statistics	CCS University Meerut, U.P.
Dr. Dinesh C. Sharma	Associate Professor	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.
<b>Supervisory Committee - Arts and Humanities Stream</b>		
Prof. Divya Nath	Principal	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.
Prof. Ajay Pratap Singh	Dean, Faculty of Arts	Ram Manohar Lohiya University, Ayodhya
Dr. Nitu Singh	Associate Professor	HNB Govt P.G College Prayagaraj
Dr. Kishor Kumar	Associate Professor	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.
Dr. Shweta Pandey	Assistant Professor	Bundelkhand University, Jhansi

### **Syllabus is developed by:**

<b>S. N.</b>	<b>Name</b>	<b>Designation</b>	<b>Department</b>	<b>College/University</b>
1.	Dr. Vinod Kumar Srivastava	Professor, Convener of the Team	Department of Economics and Rural Development	Dr. Ram Manohar Lohia Avadh University, Ayodhya (U P)
2.	Dr. Dinesh Kumar	Professor, Member	Department of Economics	CCS University Meerut (U P)
3.	Dr. Rashi Krishna Sinha	Associate Professor, Secretary	Department of Economics	Dr. Shakuntala Misra National Rehabilitation University, Lucknow (U P)



## B.A. in Economics

The Course is designed for the student's pursuing graduation with Economics in regular mode. The programme aims to inculcate economic thinking among the students in economic decision making by comprehending economic theory. It aims to develop analytical viewpoint in the students about the economic behavior of people. The objective is to nurture among student a viewpoint of a socially responsible and ethical aware citizen. The undergraduate programme will have 10 courses in 6 Semesters in 3 years. In the Fifth and the Sixth Semester 01 paper is given as optional. In the Fifth Semester it is proposed to have Dissertation/Project keeping in the spirit of the New Education Policy 2020 to introduce research at the graduation level. The structure of syllabus is based on the template of UGC proposed for the CBCS for undergraduates in Economic (Regular).

Programme Specific Outcomes (PSOs)- Student after completing graduation will be able to learn-

<b>PSO 1:</b>	The behavioral patterns of different economic agents, advance theoretical issues and their applications.
<b>PSO 2:</b>	Understand the basic concept of microeconomics.
<b>PSO 3:</b>	Understanding basic concepts of Macroeconomics.
<b>PSO 4:</b>	Acquaint with some basic statistical methods to be applied in economics.
<b>PSO 5:</b>	Acquaint with some basic mathematical methods to be applied in economics.
<b>PSO 6:</b>	Acquaint with some basic theoretical concept of public finance.
<b>PSO 7:</b>	Acquaint with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspectives.
<b>PSO 8:</b>	Delineate the fiscal policies designed for developed and developing economics.
<b>PSO 9:</b>	Facilitate the historical developments in the economic thoughts propounded by different schools. To familiarize students with the contribution of Indian Economic Thinkers and the relevance of their contribution.
<b>PSO 10:</b>	Learn the basic concept of monetary analysis and financial marketing in Indian financial markets.
<b>PSO 11:</b>	Learn the development issues of Indian economy.
<b>PSO 12:</b>	Acquaint with some basic concept of environmental economics along with the solution of the environmental problems.
<b>PSO 13:</b>	Learn the real and monetary sides of international economics.
<b>PSO 14:</b>	Familiarize and acquaint with the characteristics of the economy of Uttar Pradesh.
<b>PSO 15:</b>	To familiarize the students about issues of ethics in economic thinking and practice.



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**List of all Papers in all Six semesters.**

**(2024-2025 onwards)**

**COURSE STRUCTURE WITH CREDITS DISTRIBUTION**

**(B.A. – Economics)**

**Undergraduate**

Year	Sem.	Course Code		Course Name	Maximum Credits (20)	MM : 100	
						Int.	Ext.
1	I	A080101T	Core	Principle of Micro Economics	5 Credits	25	75
	II	A080201T	Core	Principle of Macro Economics	5 Credits	25	75
2	III	A080301T	Core	History of Economic Thought	5 Credits	25	75
	IV	A080401T	Core	Money, Banking and Public Finance	5 Credits	25	75
3	V	A080501T	Core	Economic Growth and Development	5 Credits	25	75
		A080502T	Core	International Economics	5 Credits	25	75
	VI	A080601T	Core	Basic Statistical Methods	5 Credits	25	75
		A080602T	Core	Indian Economy and Economy of Uttar Pradesh	5 Credits	25	75



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## BA Economics 1<sup>st</sup> Year, Semester-I (Theory)

<b>Programme/Class: Certificate</b>	<b>Year: First</b>	<b>Semester-First</b>
<b>Subject: Economics</b>		
<b>Course Code: A080101T</b>	<b>Course Title: Principle of Micro Economics</b>	
<b>Course Outcome:</b> On completion of this course, students will be able to:		
<b>C01:</b> Identify resource allocation, market structures and policy implications for achieving sustainable development and address issues like income inequality and ethical business practices on a global scale.		
<b>C02:</b> Outline the impact of microeconomic decisions in the growth and sustainability of entrepreneurial venture at the national level.		
<b>C03:</b> Analyzing demand and supply for labor, understand the impact of government policies on employment and evaluate how microeconomic factors contribute to regional economic development.		
<b>C04:</b> Explain the demand for various skills, understand the role of education and training programs on the local skill development at the global level.		
<b>C05:</b> Assess microeconomic choices that impact environmental sustainability, considering factors like pollution and conservation and to keep a balance between environmental development and human values.		
<b>C06:</b> Evaluate issues related to wage gap, discrimination and the role of microeconomics factors in shaping gender equality and professional ethics at work places.		
<b>Credits:5</b>		<b>Core Compulsory</b>
<b>Max. Marks: 25+75</b>		
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Part I</b>		
<b>I</b>	<b>Introduction of Economics:</b> Meaning, Scope, Nature, difference between Micro and Macro Economics, Problem of scarcity and choice: scarcity, production possibility frontier; economic systems. Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market	12

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	<p>equilibrium consumer surplus, producer surplus.</p> <p><b>Elasticity:</b> price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities.</p>	
<b>II</b>	<p><b>Consumer Theory:</b> Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint.</p>	12
<b>III</b>	<p><b>Production and Costs:</b></p> <p>a. <b>Production functions:</b> Meaning and types, law of variable proportions, isoquant and iso cost lines.</p> <p>b. <b>Costs:</b> costs in the short run, costs in the long run, revenue and profit maximizations, short run industry supply curve, economies and diseconomies of scale</p>	11
<b>IV</b>	<p><b>Market Structures</b></p> <p>a. <b>Perfect Competition:</b> a. Assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run.</p> <p>b. <b>Imperfect Competition</b></p> <p>Monopolistic competition: Assumptions, SR&amp; LR price and output determinations under monopolistic competition.</p>	11
<b>Part II</b>		
<b>V</b>	<p><b>Theory of a Monopoly Firm</b></p> <p>Concept of imperfect competition; short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly.</p>	11
<b>VI</b>	<p><b>Income Distribution and Factor pricing:</b></p> <p>Input markets: demand for inputs; labour markets, land markets, wage, Rent, interest, Profit.</p>	11
<b>VII</b>	<p><b>Welfare Economics:</b> Concept &amp; Definition of Welfare Economics. Normative &amp; Positive Economics. Concepts of Social Welfare. Role of Value Judgment in Welfare Economics, Individual &amp; Social Welfare. Pareto Optimality, Conditions of Pareto Optimality.</p>	11

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### Suggested Readings:

1. Gans, J., King, S., Byford, M., & Mankiw, G. (2023). *Principles of Microeconomics 9e*. Cengage AU.
2. Malaga, K., & Sobczak, K. (2022). *Microeconomics: Static and Dynamic Analysis*. Springer Nature.
3. Browning, E. K., & Zupan, M. A. (2020). *Microeconomics: Theory and applications*. John Wiley & Sons.
4. Besanko, D., & Braeutigam, R. (2020). *Microeconomics*. John Wiley & Sons.
5. Pindyck, R. S. (2018). *Microeconomics*.
6. Wang, S. (2018). *Microeconomic theory*. Springer Singapore.
7. Curtis, D., & Irvine, I. (2017). *Microeconomics: Markets, Methods & Models (Lyryx)*. Lyryx.
8. Curran, C., & Garibaldi, S. (2016). *Optimization in Microeconomics*. Cognella Academic Publishing.
9. Nguyen, B., & Wait, A. (2015). *Essentials of microeconomics*. Routledge.
10. Ahuja, H.L. (2013) : "Advanced Economic Theory", S.Chand & Company.
11. Lal, S.N (2013): "Arthshastra Ke Siddhant", Shiva Publishing House, Allahabad.
12. Mukherjee, S., Mukherjee, M., & Ghose, A. (2013). *Microeconomics*. PHI Learning Pvt. Ltd..
13. Ahuja, H.L (2012) : "Ucchatar Arthik Siddhant", S. Chand & Company, New Delhi.
14. Seth, M.L (2012) : "Arthshastra Ke Siddhant", Laxmi Narayan Publications, Agra
15. Dwivedi, D.N (2011) : "Microeconomics-Theory & Applications", Pearson.
16. Lipsey, Richard & Chrystal, Alec (2011) : "Economics", Oxford University Press Publications, New Delhi.
17. Salvatore, Dominic (2010) : "Principles of Microeconomics", Oxford University Press Publications, New Delhi.
18. Samuelson, Paul A & Nordhaus, William D (2010): "Economics", Tata McGraw Hill.
19. Pindyck, Robert S., Rubinfeld, Daniel L., Mehta, Prem L (2009): "Microeconomics", Pearson.
20. Koutsoyiannis, A (2008) (2nd ed): "Modern Microeconomics", Macmillan.
21. Robert, H. (2008). *Microeconomics and behavior*.
22. Stonier, A.W & Hague, Douglas C (2003) (5th ed) : "A Text Book of Economic Theory", Pearson.
23. Bruni, L. (2002). Vilfredo Pareto and the birth of modern microeconomics. *Books*.
24. Mankiw, N. G. (2001). *Principles of Microeconomics*. 6. *Baski*, Cengage Learning, Boston.
25. Ekelund, R. B., & Hébert, R. F. (1999). *Secret origins of modern microeconomics: Dupuit and the engineers*. University of Chicago Press.
26. Shastri, Rahul. A (1999) : "Microeconomics", Orient Blackswan.
27. Pagoso, C. M. (1994). *introductory MICROECONOMICS*. Rex Bookstore, Inc..
28. Khenous, A. (1987). *Microeconomics of Technical Change: An Econometric*

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*Investigation.* Rensselaer Polytechnic Institute.

29. Sawyer, M. (1985). *The economics of industries and firms*. Routledge. Sawyer, M. (1985). *The economics of industries and firms*. Routledge.
30. Finsinger, J., & Gahlen, B. (Eds.). (1983). *Economic analysis of regulated markets*. Macmillan.

### **E-Journals / e-links:**

- <https://www.aeaweb.org/journals/mic>
- <https://www.journals.uchicago.edu/journals/jpe/micro>
- <https://www.imf.org/en/Publications/fandd/issues/Series/Back-to-Basics/Micro-and-Macro>
- <https://www.springer.com/journal/712>
- [https://www.bu.edu/eci/files/2019/06/Microeconomics\\_and\\_the\\_Environment\\_Feb\\_2019.pdf](https://www.bu.edu/eci/files/2019/06/Microeconomics_and_the_Environment_Feb_2019.pdf)
- <https://onlinelibrary.wiley.com/journal/10991468>
- <https://en.wikipedia.org/wiki/Microeconomics>
- <https://journals.sagepub.com/home/mic>
- <https://library-guides.ucl.ac.uk/economics/journals>
- <https://hbswk.hbs.edu/Pages/browse.aspx?HBSTopic=Microeconomics>



**BA 1<sup>st</sup>Year, Sem. II,(Theory)**

<b>Program/Class:</b> <b>Certificate</b>	<b>Year: First</b>	<b>Semester: Second</b>
<b>Subject: Economics</b>		
<b>Course Code:</b> <b>A080201T</b>	<b>Course Title: Principle of Macro Economics</b>	
<b>Course Outcome:</b> On completion of this course, students will be able to:		
<b>CO1:</b> Identify the effects of international trade, monetary policies, and global economic trends on ecological systems and social equity, addressing climate change, promoting responsible consumption, and reducing inequality.		
<b>CO2:</b> Outline the impact of government policies, fiscal measures and monetary decisions on the growth and sustainability aspects of national entrepreneurial ventures.		
<b>CO3:</b> Analyze macroeconomic policies and trends impact gender equality and ethical considerations in the broader economic landscape such as the gender wage gap on a macro scale, the role of government policies in addressing gender disparities, and the ethical implications of macroeconomic decision-making.		
<b>CO4:</b> Explain employment patterns within specific regions to assess the impact of fiscal and monetary policies, regional economic development strategies, and industry trends on job creation and unemployment rates.		
<b>CO5:</b> Produce the broader framework for skill acquisition and employment at a regional level such as influencing education, training, and workforce development programs with an emphasis on promoting economic growth and addressing skill gaps within a broader economic context.		
<b>CO6:</b> Construct societal values and environmental sustainability such as income distribution and access to basic need, sustainable development, resource management, and green initiatives, recognizing the interconnectedness between economic activities, human values, and environmental stewardship.		
<b>Credits:5</b>		<b>Core Compulsory</b>
<b>Max. Marks: -25+75</b>		<b>Min. Passing Marks:</b>
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Introduction: What is macroeconomics? Macroeconomic issues in an economy. Macro vs. Micro Economics, Limitations of Macroeconomics; Introduction to National Income. Concepts of GDP,	12

<b>II</b>	National Income Accounting: Concepts of GDP GNP, NDP and NNP at market price and factor cost; Personal Income and Disposable Personal Income. Measurement of National Income- Income, expenditure, product or Value added Methods and related aggregates; nominal and real income; limitations of the GDP concept.	12
<b>III</b>	Circular Flow of Income and expenditure in two, three, and four-sectoreconomy.	11
<b>IV</b>	Classical Theory of Employment. Say's Law of Markets. Keynes' Objection to the Classical Theory; Aggregate Demand and Aggregate Supply Functions; The Principle of Effective Demand; Consumption Function - Average and Marginal Propensity to Consume.	11
<b>Part II</b>		
<b>V</b>	The Investment Multiplier and its Effectiveness in LDCs; Theory of Investment - Autonomous and Induced Investment; Principle of Accelerator.	11
<b>VI</b>	Rate of Interest: Classical, Neo-Classical and Keynesian Theories of Interest. Indeterminateness in Liquidity Preference Theory. IS-LM Analysis: Derivations of the IS and LM functions;	11
<b>VII</b>	Inflation and Unemployment Concept of inflation; determinants of inflation.	11
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. Erokhin, V., Tianming, G., &amp; Andrei, J. V. (2023). <i>Contemporary macroeconomics: new global disorder</i>. Springer Nature.</li> <li>2. Goodwin, N., Harris, J. M., Nelson, J. A., Rajkarnikar, P. J., Roach, B., &amp; Torras, M. (2022). <i>Macroeconomics in context</i>. Routledge.</li> <li>3. Campante, F., Sturzenegger, F., &amp; Velasco, A. (2021). <i>Advanced macroeconomics: an easy guide</i> (p. 418). LSE Press.</li> <li>4. Thomas, A. M. (2021). <i>Macroeconomics: an introduction</i>. Cambridge University Press.</li> <li>5. Clements, M. P. (2019). <i>Macroeconomic survey expectations</i>. Cham, Switzerland: Palgrave Macmillan.</li> <li>6. Yanushevsky, R., &amp; Yanushevsky, C. (2018). <i>Applied macroeconomics for public policy</i>. Academic Press.</li> <li>7. Gottfries, N. (2017). <i>Macroeconomics</i>. Bloomsbury Publishing.</li> <li>8. Heijdra, B. J. (2017). <i>Foundations of modern macroeconomics</i>. Oxford</li> </ol>		

- university press.
9. De Vroey, M. (2016). *A history of macroeconomics from Keynes to Lucas and beyond*. Cambridge University Press.
  10. Terra, C. (2015). *Principles of international finance and open economy macroeconomics: Theories, applications, and policies*. Academic Press.
  11. Veseth, M. (2014). *Introductory macroeconomics*. Academic Press.
  12. Ahuja, H.L. (2012) : *Macroeconomics: Theory and Policy* , S. Chand & Company, New Delhi.
  13. Dornbusch, Rudiger & startz, Richard (2012): *Macroeconomics* , Tata McGraw Hill Education.
  14. Sikdar, Saumyen (2011) : *Principles of Macroeconomics* , Oxford University Press, New Delhi.
  15. Dwivedi, D.N (2010) : *Macroeconomics: Theory and Policy* , Tata McGraw Hill Education.
  16. Jhingan, M.L (2010): *Macroeconomics* , Vrinda Publications, New Delhi.
  17. Gupta, R.D. & Rana, A.S (2009) : *Keynes post-Keynesian Economics* , Kalyani Publishers, New Delhi & Ludhiana.
  18. Miles, D., & Scott, A. (2008). *Macroeconomics: understanding the wealth of nations*. John Wiley & Sons.
  19. Shapiro, Edward (2005): *Macroeconomic Analysis*, Galgotia Publications, New Delhi.
  20. Bagliano, F. C., & Bertola, G. (2004). *Models for dynamic macroeconomics*. OUP Oxford.
  21. Drazen, A. (2002). *Political economy in macroeconomics*. Princeton University Press.
  22. Taylor, J. B., & Woodford, M. (Eds.). (1999). *Handbook of macroeconomics* (Vol. 1). Elsevier.
  23. Snowdon, B., & Vane, H. R. (Eds.). (1997). *A macroeconomics reader* (p. 676). London and New York: Routledge.
  24. Cochrane, J. H. (1997). *Time series for macroeconomics and finance*.
  25. Snowdon, B., Vane, H. R., & Wynarczyk, P. (1994). *A modern guide to macroeconomics*. Books.
  26. Felderer, B., & Homburg, S. (1992). *Macroeconomics and new macroeconomics*. Springer Science & Business Media.
  27. Vercelli, A. (1991). *Methodological foundations of macroeconomics: Keynes and Lucas*. Cambridge University Press.
  28. Branson, W.A (1989) : *Macroeconomics Theory And Policy*, Harper & Row.
  29. Blanchard, O., & Fischer, S. (1989). *Lectures on macroeconomics*. MIT press.
  30. Diamond, P. A. (1984). *A search-equilibrium approach to the micro foundations of macroeconomics* (Vol. 1982). MIT press.

## **E-Journals / e-links:**

- <https://www.aeaweb.org/journals/mac>
- <https://www.investopedia.com/insights/macroeconomic-analysis/>
- <https://www.jstor.org/stable/1912017>
- <https://www.oecd.org/economy/outlook/OECD-Economic-Outlook-June-2016-general-assessment-of-the-macroeconomic-situation.pdf>
- [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=294533](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=294533)
- <https://www.oxfordeconomics.com>
- <https://www.sciencedirect.com/journal/journal-of-macroeconomics>
- <https://www.degruyter.com/journal/key/bejm/html?lang=en>
- <https://journals.sagepub.com/home/smp>
- <https://www.imf.org/en/Capacity-Development/Training/ICDTC/Topics/GMA>





**BA 2<sup>nd</sup> Year, Sem. III (Theory)**

<b>Programme/Class:</b> Diploma	<b>Year: Second</b>	<b>Semester: Third</b>
<b>Subject: Economics</b>		
<b>Course Code:</b> A080301T	<b>Course Title: History of Economic Thought</b>	
<b>Course outcomes:</b> On completion of this course, students will be able to:		
<b>CO1:</b> Outline the evolution of global economic thought regarding resource use, environmentally sustainable impacts, and social responsibility.		
<b>CO2:</b> Identify historical economic theories that have influenced the development of entrepreneurial activities at the national level.		
<b>CO3:</b> Explain the evolution of economic thought related to regional development, employment, and labor mobility.		
<b>CO4:</b> Analyze historical perspectives on local economic policies that support skill development.		
<b>CO5:</b> Evaluate economic theories that have shaped human values concerning the environmental development.		
<b>CO6:</b> Assess historical context of economic ideas influencing professional ethics and gender equality.		
<b>Credits:5</b>		<b>Core Compulsory</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks:</b>
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Part I</b>		
<b>I</b>	Kautilya, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, R M Lohia, Gandhian Economics.	12
<b>II</b>	Pt. DeenDayal Upadhyay, JK Mehta ,	12
<b>III</b>	A K Sen, J. Bhagwati	11
<b>IV</b>	Mercantilism: Main Characteristics; Thomas Munn - Physiocracy: Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique, Taxation, Turgot - Economic ideas of Petty, Locke and Hume.	11
<b>Part II</b>		



V	Classical Period: Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, David Ricardo, Distribution, Ideas on International Trade; Thomas R. Malthus, Theory of Gluts.	11
VI	German Romantics and Socialists — Sismondi, Karl Marx — Dynamics of Social Change, Labour Theory of Value, Surplus Value, Profit, And Theory of Capitalist Crisis; Economic Ideas of J.B. Say, J.S. Mill.	11
VII	Marshall as a Great Synthesizer: Role of Time in Price Determination, Economic Methods, Ideas on Consumer's Surplus, Elasticity, Representative Firm, Quasi-Rent, Pigou: Welfare Economics; Schumpeter.	11
VIII	Marginalists: The Precursors of Marginalism ,Cournot , Gossen — The Marginalist Revolution: Jevons, Walras and Menger - Bohm-Bawark, Wicksell and Fisher; Economic Ideas of Wicksteed and Weiser.	11

**Suggested Readings:**

1. Drakopoulos, S., & Katselidis, I. (Eds.). (2023). *Economic Policy and the History of Economic Thought*. Taylor & Francis.
2. Skousen, M. (2022). *The making of modern economics: the lives and ideas of the great thinkers*. Routledge.
3. Hayek, F. A. (2020). *The trend of economic thinking: Essays on political economists and economic history*. Routledge.
4. Dupont, B. (2017). *The history of economic ideas: economic thought in contemporary context*. Taylor & Francis.
5. Wolloch, N. (2016). *Nature in the History of Economic Thought: how natural resources became an economic concept*. Taylor & Francis.
6. Sandelin, B., & Trautwein, H. M. (2014). *A short history of economic thought*. Routledge.
7. Ekelund Jr, R. B., & Hébert, R. F. (2013). *A history of economic theory and method*. Waveland Press.
8. Backhaus, J. G. (2012). *Handbook of the history of economic thought*. Springer.
9. Hajela, T.N (2011) : Aarthik Vicharon Ka Itihas , Ane Books.
10. Sandmo, A. (2011). *Economics evolving: A history of economic thought*. Princeton University Press.
11. Hajela, T.N (2011) : History Of Economic Thought , Ane Books.



12. Hunt, E.K & Lautzenheiser, Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning.
13. Sinha, V.C (2011) : Aarthik Vicharon Ka Itihas , Mayur Pu
14. Tsoulfidis, L. (2010). *Competing schools of economic thought*. Springer Science & Business Media.
15. Loknathan, V (2009) : History of Economic Thought , S.Chand & Company.
16. Barber, W. J. (2009). *A history of economic thought*. Wesleyan University Press.
17. Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas , Vrinda Publications, New Delhi.
18. Roncaglia, A. (2006). *The wealth of ideas: a history of economic thought*. Cambridge University Press.
19. Stabile, D. (2005). *Forerunners of modern financial economics: a random walk in the history of economic thought*. Edward Elgar Publishing.
20. Medema, S. G. (2004). *The history of economic thought: a reader*. Routledge.
21. Laidler, D. (2003). *The role of the history of economic thought in modern macroeconomics* (pp. 12-29). Edward Elgar Publishing.
22. Dasgupta, A. K. (2002). *A history of Indian economic thought*. Routledge.
23. Boehm, S. (Ed.). (2002). *Is there progress in economics?: knowledge, truth and the history of economic thought*. Edward Elgar Publishing.
24. Kerr, I. A. (2001). *The value of the History of Economic Thought*. School of Economics and Finance, Curtin Business School, Curtin University of Technology.
25. Colander, D. (Ed.). (2000). *Complexity and the history of economic thought*. Routledge.
26. Robbins, L. (2000). *A history of economic thought: the LSE lectures*. Princeton University Press.
27. Spiegel, H. W. (1991). *The growth of economic thought*. Duke University Press.
28. Bhatia, H.L : History of Economic Thought , Vikash Publishing House.
29. Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.
30. Blackhouse, R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.

**E-Journals / e-Links:**

- <https://www.tandfonline.com/journals/rejh20>
- <https://books.emeraldinsight.com/page/series-detail/research-in-the-history-of-economic-thought-and-methodology/>
- <https://ideas.repec.org/s/cup/jhisec.html>
- <https://www.jstor.org/stable/3486010>



- <https://www.scimagojr.com/journalsearch.php?q=21100840135&tip=sid&clean=0>
- <https://www.ineteconomics.org/education/materials/history-of-economic-thought-website>
- <https://www.cambridge.org/core/journals/journal-of-the-history-of-economic-thought>
- <https://econpapers.repec.org/article/cupjhise/>
- <https://www.routledgehistoricalresources.com/economic-thought/>
- <https://www.springer.com/series/16457>





<b>Program/Class:</b> Diploma	<b>Year:</b> Second	<b>Semester:</b> Fourth
<b>Subject: Economics</b>		
<b>Course Code:</b> A080401T	<b>Course Title: Money, Banking and Public Finance</b>	
<b>Course outcomes:</b> On completion of this course, students will be able to:		
<b>CO1:</b> Identifying the role of monetary policy in shaping economic conditions, the impact of banking systems on regional development, and the role of public finance in promoting employment opportunities.		
<b>CO2:</b> Outline the inter connection of financial systems globally and the role of monetary policies in promoting sustainable economic development.		
<b>CO3:</b> Explain the role of banking institutions in financing and facilitating entrepreneurship at the national level.		
<b>CO4:</b> Analyze the work of banking and financial systems in contributing inclusive access to funds for skill development programs at the local level.		
<b>CO5:</b> Construct topics such as sustainable finance, ethical banking practices and the role of human values in addressing social and environmental aspects.		
<b>CO6:</b> Assess the awareness of gender biases in financial systems, promoting gender-inclusive financial policies and emphasizing ethical conduct in financial professions.		
<b>Credits:5</b>		<b>Core Compulsory</b>
<b>Max. Marks:</b> 25+75		<b>Min. Passing Marks:</b>
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Part I</b>		
<b>I</b>	<b>Money and Value of Money:</b> Money - Meaning, Functions and Classification; Gresham's Law; Role of Money in Capitalist, Socialist and Mixed Economies; Monetary Standards -Metallic and Paper Systems of Note Issue. Quantity Theory of Money - Cash Transaction and Cash Balance Approaches; The Keynesian Approach.	12
<b>II</b>	<b>Supply of Money:</b> Definitions—Determinants of Money Supply—High Powered Money and Money	12

	Multiplier—Indian Currency system.	
<b>III</b>	Commercial Banking: Meaning and types; Functions of Commercial Banks; Evolution of Commercial Banking in India after Independence; Recent Reforms in Banking Sector in India.	11
<b>IV</b>	Functions of a Central Bank; Quantitative and Qualitative Methods of Credit Control - Bank Rate Policy, Variable Reserve Ratio and Selective Methods; Role and Functions of the Reserve Bank of India; Objectives and Limitations of Monetary Policy with Special Reference to India.	11
<b>Part II</b>		
<b>V</b>	Nature and Scope of Public Finance: Meaning and scope of Public Finance; Distinction between Private and Public Finance; Public Goods Vs. Private Goods; The Principle of Maximum Social Advantage	11
<b>VI</b>	Public Expenditure: Meaning, Classification and Principle of Public Expenditure; Canons and Effects of Public Expenditure; Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.	11
<b>VII</b>	Taxation: Sources of Public Revenue; Taxation — Meaning, Canons and Classification of Taxes; Division of Tax Burden — The Benefit and Ability-To-Pay Approaches; Impact and Incidence of Taxes; Taxable Capacity; Effects of Taxation; Characteristics of A Good Tax System.	11
<b>VIII</b>	Fiscal policy: Components, Instruments, Objectives. Role of Fiscal Policy in Developed and Developing Countries, Budget Structure of the Government of India, State Budget- Sources of Revenues and Expenditures. Major Tax Reforms in India. Fiscal Federalism in India: Union-State Fiscal Relations, Federal Fiscal Imbalances and the Role of Finance Commission. Finances of Local Bodies.	11



**Suggested Readings:**

1. Wright, R. E. (2023). Money and banking.
2. Fisher, R. C. (2022). *State and local public finance*. Routledge.
3. Szulczyk, K. R. (2021). *Money, banking, and international finance*.
4. Cole, H. L. (2019). *Finance and Financial Intermediation: A Modern Treatment of Money, Credit, and Banking*. Oxford University Press.
5. Hubbard, R. G., & O'Brien, A. P. (2018). *Money, banking, and the financial system*. Pearson.
6. Melvin, M., & Norrbin, S. C. (2017). *International money and finance*. Academic Press.
7. Kleer, R. A. (2017). *Money, politics and power: banking and public finance in wartime England, 1694–96* (No. 27). Taylor & Francis.
8. Mehrling, P. (2016). *The economics of money and banking*. New York City.
9. Kindleberger, C. P. (2015). *A financial history of Western Europe*. Routledge.
10. Wray, L. R. (2015). Banking, finance and money: a social economics approach. In *The Elgar Companion to Social Economics, Second Edition* (pp. 548-565). Edward Elgar Publishing.
11. Berger, A. N., Molyneux, P., & Wilson, J. O. (Eds.). (2014). *The Oxford handbook of banking*. OUP Oxford.
12. Law, J. (Ed.). (2014). *A dictionary of finance and banking*. Oxford University Press, USA.
13. Nadar, E. Narayanan (2013) : Money and Banking , PHI Learning Press.
14. Jhingan ,M.L (2012) : Monetary Economics , Vrinda Publications, New Delhi.
15. Jhingan, M.L (2012) : Maudrik Arthshastra , Vrinda Publications, New Delhi.
16. Seth. M.L (2012) : Maudrik Arthshastra , Laxmi Narayan Publications, Agra.
17. Lal, S.N (2012): Mudra, Banking, Avam Videshi Vinimay , Shiva Publishing House, Allahabad.
18. Paul, R.R (2011): Money, Banking & Exchange , Kalyani Publishers, Delhi.
19. Hajela, T. N. (2009). *Money, Banking & Public Finance*. Ane Books Pvt Ltd.
20. Gupta, S.B (2009) : Monetary Economics-Institutions, Theory & Policy , S.Chand & Company, New Delhi.
21. Bernstein, P. L. (2008). *A primer on money, banking, and gold (Peter L. Bernstein's Finance Classics)* (Vol. 9). John Wiley & Sons.
22. Inge Kaul, Pedro Conceicao (2006): *The New Public Finance*, Oxford University Press.
23. Bagchi, Amaresh (2005) : *Readings in Public Finance*, Oxford University Press.
24. Shome Parthasarathi (2002): *India's Fiscal Matters*, Oxford University Press, New Delhi.
25. Verdier, D. (2002). *Moving money: Banking and finance in the industrialized world*. Cambridge University Press.
26. Hoffmann, S. (2001). *Politics and banking: Ideas, public policy, and the creation of financial institutions*. JHU Press.

27. Perkins, E. J. (1994). *American public finance and financial services, 1700-1815*. The Ohio State University Press.
28. Musgrave, R. A. & P. B. Musgrave (1989) : *Public Theory: Theory & Practice*, McGraw Hill.
29. Chapra, M. U. (1985). *Towards a just monetary system* (Vol. 8). International Institute of Islamic Thought (IIIT).
30. Mithani, D. M. (1984). *Money, Banking, International Trade and Public Finance*. Vani Educational Books.

**E-Journals / e-Links:**

- <https://www.inderscience.com/jhome.php?jcode=ijmef>
- [https://en.wikipedia.org/wiki/Journal\\_of\\_Monetary\\_Economics](https://en.wikipedia.org/wiki/Journal_of_Monetary_Economics)
- <https://www.scimagojr.com/journalsearch.php?q=21100200807&tip=sid>
- <https://jme.mbri.ac.ir/>
- <https://ideas.repec.org/s/eee/moneco.html>
- <https://journals.sagepub.com/home/pfr>
- <https://dergipark.org.tr/en/pub/ijpf>
- <https://guides.lib.uconn.edu/c.php?g=917829&p=6685008>
- <https://www.omicsonline.org/public-finance-journals-conferences-list.php>
- <https://jife-journal.org/JIFE-JOURNAL/Default.aspx>



# Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj

## BA 3<sup>rd</sup> Year, Sem. V (Theory)

<b>Programme/Class:</b> Degree	<b>Year: Third</b>	<b>Semester: Fifth</b>
<b>Subject: Economics</b>		
<b>Course Code:</b> A080501T	<b>Course Title: Economic Growth and Development</b>	
<b>Course outcomes:</b> On completion of this course, students will be able to:		
<b>CO1:</b> Outline an understanding of economic policies impact genders differently, fostering awareness of gender disparities, also emphasize ethical practices in economic decision-making, promoting responsible and fair approaches to development.		
<b>CO2:</b> Analyze the importance of eco-friendly practices, responsible resource management, and equitable distribution of benefits to contribute to global sustainability by promoting economic development that respects environmental limits and supports social well-being on a global scale.		
<b>CO3:</b> Compute the skills and knowledge to contribute to economic expansion through the promotion of entrepreneurship at the national level.		
<b>CO4:</b> Compare factors influencing regional employment, such as industry trends, skill requirements, and government policies, to empower participants to contribute to the development of sustainable and inclusive regional economies by fostering job creation		
<b>CO5:</b> Evaluate key industries and professions in the local context, aligning skill development with market demands. Additionally, it may encourage entrepreneurship by equipping individuals with the necessary skills to start and sustain businesses.		
<b>CO6:</b> Construct the importance of incorporating environmental considerations into economic planning, promoting sustainable practices and minimizing negative ecological impacts, while respecting human values and fostering environmental stewardship for long-term, responsible development.		
<b>Credits:5</b>		<b>Core Compulsory</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks:</b>
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Part I</b>		
<b>I</b>	Meaning and Measurement of Economic Growth and Development- Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic growth and Development.	10
<b>II</b>	Concept of Poverty and Inequality, Vicious cycle of poverty, Lorenz Curve, Gini Coefficient Concept of Human Development, Human Development Index, Physical Quality of Life Index,. Hunger Index,	10

	Happiness Index, Development and Sustainability. Concept of Sustainable Development. Sustainable Development goals.	
<b>III</b>	Rosentein Rodan's theory of Big Push, Nelson's Level equilibrium trap, balanced vs Un-balanced growth, Rostow's stages of growth,	10
<b>IV</b>	Theory of Demographic Transition, Population as Limits to Growth. The Concept of Inclusive Growth-with Reference to India. Food Security, Education, Health and Nutrition, Gender and Development.	10
<b>Part II</b>		
<b>V</b>	Development & Underdevelopment: an Overview; The Characteristics and Explanations Of Underdevelopment- Vicious Circle of Poverty, Dualism-Social, Technological, Financial,	10
<b>VI</b>	Models of Technical Progress, Embodied and Disembodied Technical Progress, Neutral Technical Progress- Hicks, Harrod, Solow, Kaldor, Mirrlees Technical Progress Function, Arrow's Learning by Doing Approach to Economic Growth.	10
<b>VII</b>	Accumulation Endogenous growth, Intellectual capital, Role of Learning, Education and Research,	8
<b>VIII</b>	International Trade, Aid and Finance in the Development of Developing Countries-with special reference to India. FDI & FII, Role of Technology Transfer and Multinational Corporations in promoting development in development of developing countries-with Special Reference to India.	7

### **Suggested Readings:**

1. Mazur, M. P. (2023). *Economic growth and development in Jordan*. Taylor & Francis.
2. Malizia, E., Feser, E. J., Renski, H., & Drucker, J. (2020). *Understanding local economic development*. Routledge.
3. Milhaupt, C. J., & Pistor, K. (2019). *Law & capitalism: What corporate crises reveal about legal systems and economic development around the world*. University of Chicago Press.
4. Weil, D. (2016). *Economic growth*. Routledge.
5. Coale, A. J., & Hoover, E. M. (2015). *Population growth and economic development* (Vol. 2319). Princeton University Press.

6. Cypher, J. M. (2014). *The process of economic development*. Routledge.
7. Jhingan ,M.L (2013): *Economics of Development and Planning*, Vrinda Publications, NewDelhi.
8. Jhingan ,M.L (2013): *Vikas Ka ArthshastraAwamNiyojan*, Vrinda Publications, NewDelhi.
9. Lekhi, R.K (2013): *Economics of Development and Planning*, Kalyani Publishers, New Delhi.
- 10.Lal ,S.N (2012):*Vikas, Niyojan Awam Paryavaran*, Shiva Publishing House,Allahabad.
- 11.Mishra,S.K&Puri,V.K (2012): *Economics of Development and Planning*, Himalaya Publishers, Mumbai.
- 12.Singh, S.R(2012): *Environmental Economics*, APH Publishing Corporation, Delhi.
- 13.Taneja,M.L&Myer,R.M (2011): *Arthshastra Ki YojnayeAwamVistaar*, Visha PublishingCom pany,Jalandhar (New Delhi).
- 14.Basu, Kaushik (2010): *Analytical Development Economics:The Less Developed Economy*, Oxford University Press.
- 15.Helpman, E. (2009). *The mystery of economic growth*. Harvard University Press.
- 16.Acemoglu, D. (2008). *Introduction to modern economic growth*. Princeton university press.
- 17.Acemoglu, D., & Robinson, J. (2008). *The role of institutions in growth and development* (Vol. 10). Washington, DC: World Bank.
- 18.Aghion, P., & Howitt, P. W. (2008). *The economics of growth*. MIT press.
- 19.Singh, Kartar & Shishodia (2007): *Environmental Economics: Theory and Applications*, Sage India.
- 20.Audretsch, D. B., Keilbach, M. C., & Lehmann, E. E. (2006). *Entrepreneurship and economic growth*. Oxford University Press.
- 21.Hayami, Yujiro&Godo,Yoshihisa (2005) : *Development Economics: From the Poverty to the Wealth of Nations*, Oxford University Press.
- 22.Vreeland, J. R. (2003). *The IMF and economic development*. Cambridge University Press.
- 23.Hunt, S. D. (1999). *A general theory of competition: Resources, competences, productivity, economic growth*. Sage publications.
- 24.Ray, D. (1998). *Development economics*. Princeton University Press.
- 25.Radelet, S. C., Sachs, J., & Lee, J. W. (1997). *Economic growth in Asia*. Cambridge, MA: Harvard Institute for International Development.
- 26.Dreze, J., & Sen, A. (1996). *India economic development and social opportunity*. Oxford university press.
- 27.Douthwaite, R. (1993). *The Growth Illusion: How Economic Growth Has Enriched the Few, Impoverished the Many, and Endangered the Planet*. Council Oak Books, 1350 East 15th Street, Tulsa, OK 74120.
- 28.Mowery, D. C., & Rosenberg, N. (1991). *Technology and the pursuit of economic growth*. Cambridge University Press.

29. Rostow, W. W. (1990). *The stages of economic growth: A non-communist manifesto*. Cambridge university press.
30. Thirlwall, A. P. (1989). *Growth and development: with special reference to developing economies*. Springer

**E-Journals / e-Links:**

- ❖ <https://www.springer.com/journal/40847>
- ❖ <https://onlinelibrary.wiley.com/journal/14679361>
- ❖ <https://www.journals.uchicago.edu/toc/edcc/current>
- ❖ <https://jseg.ro/index.php/jseg>
- ❖ [https://populationmatters.org/the-facts-development/?gclid=EAIaIQobChMIIn-3mpreV\\_wIVtppmAh2b1gnUEAMYASAAEgJFGfD\\_Bw](https://populationmatters.org/the-facts-development/?gclid=EAIaIQobChMIIn-3mpreV_wIVtppmAh2b1gnUEAMYASAAEgJFGfD_Bw)
- ❖ <https://www.sciencepublishinggroup.com/journal/index?journalid=297>
- ❖ <https://jed.cau.ac.kr/>
- ❖ <https://ideas.repec.org/s/kap/jecgro.html>
- ❖ <https://www.emeraldgrouppublishing.com/journal/jed>
- ❖ <https://journal.yrpioku.com/index.php/ijedr/>



**BA 3<sup>rd</sup> Year, Sem. V  
(Theory)**

<b>Program/Class: Degree</b>		<b>Year: Third</b>	<b>Semester: Fifth</b>
<b>Subject: Economics</b>			
<b>Course Code: A080502T</b>		<b>Course Title: International Economics</b>	
<b>Course outcomes:</b> On completion of this course, students will be able to:			
<b>CO1:</b> Identify concepts such as global sustainable development, trade policies' environmental implications and the role of international institutions in promoting global sustainability.			
<b>CO2:</b> Prepare students with an understanding that global economic dynamics influence and interact with domestic entrepreneurial activities and important role of multinational corporations.			
<b>CO3:</b> Analyze international trade agreements, outsourcing, and global economic trends and strategies for addressing unemployment challenges at the regional level, understanding labor migration, and formulating policies that promote sustainable job creation within a global economic context.			
<b>CO4:</b> Use of international trade on skill requirements, the role of technology in shaping skill sets, and the importance of adapting to changing global economic trends.			
<b>CO5:</b> Assess the ethical implications of international trade practices, the role of businesses in environmental conservation, and the promotion of inclusive human values and socially responsible economic development.			
<b>CO6:</b> Evaluate gender-based wage gaps. Representation in various industries, and the ethical considerations surrounding workplace diversity and inclusion.			
<b>Credits:5</b>		<b>Core Compulsory</b>	
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks:</b>	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w			
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>	
<b>Part I</b>			
<b>I</b>	Need, Significance and Scope of International Economics. Early Trade Theory-Mercantilism; The Classical Theories of Trade -Adam Smith, David Ricardo; Opportunity Cost Approach; Terms of Trade-Meaning and Concepts, Factors affecting Terms of Trade; Mill's Reciprocal Demand Analysis.	8	



<b>II</b>	Free Trade and Protection-Meaning of Free Trade, Arguments For and Against Free Trade, Meaning of Protection, Arguments for Protection- Economic and Non-Economic Arguments; Protection and Less Developed Countries.	7
<b>III</b>	Theories and Forms of Economics Integration-Meaning & Benefits; Forms of Economic Integration-Custom Union: Production and Consumption Effects of Customs Union; Problems Involved in the Formation of Customs Union; Political Economy of Protection; SAFTA, BRICS, IBSA.	10
<b>IV</b>	Balance of Payments-Concepts; Adjustment Mechanisms of Balance of Payments- Adjustment Through Variations in Exchange Rates, Devaluation and Balance of Payments Adjustment, The Elasticity Approach, Marshall-Lerner Condition.	10
<b>Part II</b>		
<b>V</b>	Heckscher-Ohlin Theorem, The Leontief Paradox, Post-Heckscher-Ohlin Theories of Trade-Technological Gap Model; The Krugman Model, Effects of Growth on International Trade- Production & Consumption Effects, Export Pessimism, Immiserising Growth; Gains from Trade-Meaning and Types, Factors Determining Gains from Trade.	10
<b>VI</b>	International Financial Institutions-IMF, WORLD BANK, ADB; GATT, WTO- TRIPS & TRIMS, WTO and India; UNCTAD, Globalization; FDI.	10
<b>VII</b>	Quantitative Restrictions: Quota-Meaning, objectives, Types and Effects of Import Quotas; Tariffs-Meaning Types and Effects of Tariffs; Non-Tariff Barriers-Meaning, Classification and Types.	10
<b>VIII</b>	Foreign Exchange-Meaning and Instruments, Exchange Rate Determination, Mint Par Parity theory, Purchasing Power Parity Theory, Hedging, Foreign Exchange Rate Policy- Fixed, Flexible & Multiple Exchange Rate System;	10



**Suggested Readings:**

1. Komlos, J. (2023). *Foundations of real-world economics: What every economics student needs to know*. Taylor & Francis.
2. Baldwin, R., & Wyplosz, C. (2022). *EBOOK The Economics of European Integration 7e*. McGraw Hill.
3. Milner, H. V. (2021). *Resisting protectionism: Global industries and the politics of international trade*. Princeton University Press.
4. Shenkar, O., Luo, Y., & Chi, T. (2021). *International business*. Routledge.
5. Salvatore, D. (2019). *International economics*. John Wiley & Sons.
6. Leamer, E. E., & Stern, R. M. (2017). *Quantitative international economics*. Routledge.
7. Lewis, W. A. (2015). *The evolution of the international economic order*. Princeton University Press.
8. Appleyard, D. R., & Field, A. J. (2014). *International economics*. McGraw-Hill.
9. Hart, J. A., & Spero, J. E. (2013). *The politics of international economic relations*. Routledge.
10. Steil, B. (2013). *The battle of Bretton Woods: John Maynard Keynes, Harry Dexter White, and the making of a new world order*. Princeton University Press.
11. Field, Alfred J & Appleyard, Dennis R (2013) : International Economics, McGraw Hill Education.
12. Heckscher, E. F. (2013). *Mercantilism*. Routledge.
13. Gerber, James (2012) : International Economics, Pearson.
14. Lal, S.N (2012) : Antarrastriya Arthshastra, Shiva Publishing House, Allahabad.
15. Salvatore, Dominick (2012) : International Economics: Trade & Finance, Wiley Publishers.
16. Jhingan, M.L (2011): Antarrastriya Arthshastra, Vrinda Publications, New Delhi.
17. Sinha, V.C., Sinha, Pushpa & Sinha, Vivek (2011) : Antarrastriya Vyapar Avam Vitt, Mayur Publications.
18. Kang, D. C. (2010). *East Asia before the West: Five centuries of trade and tribute*. Columbia University Press.
19. Agarwal, Babita (2009) : Antarrastriya Arthshastra, Omega Publications.
20. Cherunilam, Francis (2008) : International Economics” Tata McGraw Hill Education.
21. Krugman, Paul R & Obstfeld, Maurice (2008) : International Economics, Pearson.
22. Bhatia, H.L (2006) : International Economics, Vikash Publishing House.
23. Vaishya, M.C. & Singh, Sudama (2006) : International Economics , Oxford & IBH Publishing House, Delhi.
24. Robson, P. (2002). *The economics of international integration*. Routledge.
25. Mannur, H.G (2001) : International Economics, Vikash Publishing House Pvt Ltd.
26. Gilpin, R. (2001). *Global political economy: Understanding the international economic order*. Princeton university press.



27. Germain, R. D. (1997). *The international organization of credit: States and global finance in the world-economy* (No. 57). Cambridge University Press.
28. Krugman, P. R. (Ed.). (1986). *Strategic trade policy and the new international economics*. MIT Press.
29. Jones, R. W., Grossman, G. M., Kenen, P. B., & Rogoff, K. (Eds.). (1984). *Handbook of international economics* (Vol. 3). Elsevier.
30. World Bank. (1983). *World Development Report 1983: World Economic Recession and Prospects for Recovery; Management in Development; World Development Indicators*. The World Bank.

**E-Journals / e-Links:**

- <https://www.tandfonline.com/toc/riej20/current>
- <https://www.springer.com/journal/11294>
- <https://www.elsevier.com/journals/international-economics/2110-7017/guide-for-authors>
- <https://www.journalijar.com/>
- <https://ijesc.org/?gclid=EAIaIQobChMI>
- <https://www.ijhssm.org/>
- <https://onlinelibrary.wiley.com/journal/14679396>
- <https://www.ipeindia.org/journal-of-international-economics/>



**B.A. 3<sup>rd</sup> Year Sem VI  
(Theory)**

<b>Program/Class: Degree</b>	<b>Year: Third</b>	<b>Semester: Sixth</b>
<b>Subject: Economics</b>		
<b>Course Code: A080601T</b>	<b>Course Title: Basic Statistical Methods</b>	
<b>Course Outcome:</b> On completion of this course, students will be able to:		
<b>CO1:</b> Outline the improved statistical analysis skills with a deeper understanding of global sustainability issues and the ability to communicate findings effectively.		
<b>CO2:</b> Prepare the ability to analyze factors influencing entrepreneurial activities at national level and interpret statistical findings to assess economic trends.		
<b>CO3:</b> Explain the use of statistical tools to identify patterns and enhance their ability to present insights related to employment dynamics at the regional level.		
<b>CO4:</b> Use quantitative skills to empower individuals for data driven decision making, benefitting local businesses, organization and enhance local skill development.		
<b>CO5:</b> Predict data with sensitivity to gender related disparities, promoting fairness and equity. The alignment with professional ethics ensures that statistical analyses are conducted with a strong sense of responsibility, particularly in relation to gender – related issues.		
<b>CO6:</b> Evaluate ethical data collection, and the importance of considering environmental factors in decision-making processes, aligning statistical skills with human values that prioritize both people and the planet.		
<b>Credits:5</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 25+75</b>	<b>Min. Passing Marks:</b>	
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule(meaning, concept & types), Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.	08



<b>II</b>	Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief). Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation, Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief)	<b>10</b>
<b>III</b>	Correlation: Meaning, Concept, Types & Properties. Methods of Regression: Meaning and Concept. Least squares method, Interpretation of Regression Coefficients. Meaning, concept & types of Sampling. Meaning & concept of Hypothesis & hypothesis testing.	<b>10</b>
<b>IV</b>	Time Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. Index Number: Concept, Classification of Index Numbers-price relative, quantity relative, value relative & special purpose (in brief). Consumer Price Index(CPI), Whole Sale Price Index (WPI), Methods of Construction of Index Numbers- i Unweighted & ii Weighted indices (in brief). Test of Adequacy of Index Number Formulae (in brief).	<b>07</b>

**Suggested Readings:**

1. Prasad, S. (2023). *Elementary Statistical Methods*. Springer Nature.
2. Chatterji, R., Basu, P. P., Chatterjee, J., & Basu, S. (2023). *Conjectures and Evidences: Methods of Inquiry in the Political and Social Sciences with Elementary Statistics*. Taylor & Francis.
3. Kranzler, J. H., & Anthony, C. J. (2022). *Statistics for the terrified*. Rowman & Littlefield.
4. Shasha, D., & Wilson, M. (2022). *Statistics is easy!*. Springer Nature.
5. Manoukian, E. B. (2022). *Mathematical nonparametric statistics*. Taylor & Francis.
6. Terrell, S. R. (2021). *Statistics translated: A step-by-step guide to analyzing and interpreting data*. Guilford Publications.
7. Denis, D. J. (2020). *Univariate, bivariate, and multivariate statistics using R: quantitative tools for data analysis and data science*. John Wiley & Sons.
8. Sandblom, C. L. (2019). *Elementary statistics for business and economics*. Walter de Gruyter GmbH & Co KG.
9. Richard ,I. Levin. H. Siddiqui Masood S. Rubin David Sanjay Rastogi (2017): Statistics for Management. Pearson. ISBN-10 8184957491
10. Tuckwell, H. C. (2018). *Elementary applications of probability theory*. Chapman and Hall/CRC.



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15. Wilks, S. S. (2015). *Elementary statistical analysis*. Princeton University Press.
16. Bluman, A. (2014). *Elementary Statistics: A step by step approach 9e*. McGraw Hill.
17. Lind, Wathen & Marchal (2013): *Basic Statistics for Business & Economics*, McGraw Hill Education.
18. Lewis, M. (2012). *Applied statistics for economists*. Routledge.
19. Sharma, J.K. (2011) : *Business Statistics* "Pearson Education.
20. Leighton, Thomas (2011) : *Using Statistics in Economics*, Tata McGraw Hill Education.
21. Gupta, S.P (2011) : *Statistical Methods*, Sultan Chand & Sons, Delhi.
22. Elhance, D.L (2010) : *Sankhiki Ke Siddhant (Hindi)*, Kitab Mahal.
23. Newbold, Paul (2008) : *Statistics for Business and Economics*, Pearson Education.
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25. Greenlaw, Steven A (2005): *Doing Economics: A Guide to Understanding and Carrying Out Economic Research*.
26. Van der Merwe, L., & Viljoen, C. V. (2000). *Elementary Statistics: Vol 2*. Pearson South Africa.
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**E-Journals / e-Links:**

- <https://www.springer.com/journal/10260>
- <https://academicworldresearch.org/journals>.
- <https://jbds.isdsa.org/index.php/jbds>
- <https://www.scimagojr.com/journalsearch.php?q=19700182104&tip=sid>
- <https://ssca.org.in/journalvolumes/1/>
- <https://pages.stern.nyu.edu/~jss2/statjournals.html>
- <https://ncsce.net/introductory-statistics-with-community-based-projects/>



**B.A. 3<sup>rd</sup> Year Sem VI  
(Theory)**

<b>Program/Class: Degree</b>	<b>Year: Third</b>	<b>Semester: Sixth</b>
<b>Subject: Economics</b>		
<b>Course Code: A080602T</b>	<b>Course Title: Indian Economy &amp; Economy of Uttar Pradesh</b>	
<b>Course Outcome:</b> On completion of this course, students will be able to		
<b>CO1:</b> Identify factors like economic growth, environmental policies, and social equity for analysis of their contribution in global sustainable development.		
<b>CO2:</b> Outline the initiatives promoting national startups, ease of doing businesses, access to finance and skill development programs		
<b>CO3:</b> Explain the factors that are driving employment, skill development and efforts to address regional disparities all contributing to fostering sustainable development.		
<b>CO4:</b> Analyze the effectiveness of vocational training, educational collaborations with industries and other skill-building efforts to empower individuals and meet the evolving demand at local level.		
<b>CO5:</b> Assess the initiatives for responsible resource management, conservations efforts and policies that promote inclusive development aligning economic growth with human values.		
<b>CO6:</b> Evaluate the initiatives supporting diversity and inclusivity and addressing gender-based discrimination and ensuring adherence to professional ethical standards.		
<b>Credits: 5</b>		<b>Core Compulsory</b>
<b>Max. Marks: 25+75</b>		<b>Min. Passing Marks:</b>
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>Part I</b>		
I	Structure and Features of Indian Economy: Indian economy as a Developing Economy. Comparative Development of Indian States.	8
II	Agricultural Sector: Institutional Reforms, Technological change in Agriculture, Terms of Trade between Agriculture and Industry; Agricultural Policy,	10



## Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj

	Policies for Sustainable Agriculture. Agrarian Crisis and Agricultural Labour.	
III	The Industrial Sector: Industrial Policy; Public Sector Enterprises and their Performance, Privatization and Disinvestment debate, Small, Medium and Large-scale Sector, Industrial Labour, trade Union Movement.	10
IV	Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; Strategy of Inclusive Growth, Resource mobilization for Development.	10
<b>Part II</b>		
V	Nature, Features, Demographic Profile, Status of Natural Resources, Major Factors affecting growth and development in Uttar Pradesh. Economic and non-economic factors in economic development of Uttar Pradesh.	10
VI	Sectoral growth pattern in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.	7
VII	Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, Crop diversification, agricultural credit, Agricultural policy and strategies in Uttar Pradesh, Rural Development in Uttar Pradesh.	10
VIII	Problems and Policies. Major industries in Uttar Pradesh, Pattern of Industrial Development in Uttar Pradesh, Industrial Policy in Uttar Pradesh, Growth pattern of Services sector and Its linkages of other sectors of UP Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar Pradesh. One Product One District (OPOD).	10



**Suggested Readings:**

1. Roy, A. (2024). The impact of foreign direct investment, renewable and non-renewable energy consumption, and natural resources on ecological footprint: an Indian perspective. *International Journal of Energy Sector Management*, 18(1), 141-161.
2. GHOSH, S. (2022). *Indian economy*. PHI Learning Pvt. Ltd.
3. Mishra, Arvind Narayan & Atul Chandra (2018): *The Economy of Uttar Pradesh*. Gutenberg Publication ISBN: 9789386240224, 9789386240224.
4. Arvind Narayan Mishra (2019) *The Economy of Uttar Pradesh*, Gutenberg Books Pvt. Ltd.
5. Patel, D. (2015). PRODUCTION OF COMMUNAL PREJUDICES THROUGH SCHOOL TEXT-BOOKS: A SOCIOLOGICAL STUDY BASED ON UTTAR PRADESH. *INDIAN JOURNAL OF SOCIAL SCIENCES & SOCIETIES*, 7.
6. Rajendra P. Mamgain (2019) *Growth, Disparities, and Inclusive Development in India: Perspectives from the Indian State of Uttar Pradesh*, Springer.
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20. Shareeff, K. H. (1989). *Indian Economy*. Allied Publishers.
21. Uttar Pradesh Human Development Report, UNDP, 2008.
22. Butola, B. S. (1992). Political economy of underdevelopment: a case study of Uttar Pradesh Himalayas. Har-Anand.
23. Chandra, U. (1990). Integrated rural development programme: a study in Etah district of Uttar Pradesh. *Yojana*, 34(6), 25-27.
24. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & amp; the latest.
25. 26. Annual Financial Statement (Budget) various years & amp; Latest published by the Government of India.
26. 27. Economic Surveys, Government of India(Hindi/English)

### **E-Journals / e-Links:**

- [https://www.ejournalofbusiness.org/archive/vol3no5/vol3no5\\_1.pdf](https://www.ejournalofbusiness.org/archive/vol3no5/vol3no5_1.pdf)
- <https://journals.sagepub.com/home/edq>
- <https://www.journals.uchicago.edu/toc/edcc/current>
- <https://updes.up.nic.in/>
- <https://www.iiml.ac.in/journal-publications>
- [https://www.gids.org.in/Journal\\_Articles.html](https://www.gids.org.in/Journal_Articles.html)
- <https://niveshmitra.up.nic.in/AdvantageUP.aspx>
- <https://mpa.ub.uni-muenchen.de/54148/>
- <https://www.ibef.org/economy>
- <https://www.indiabudget.gov.in/economicsurvey/>
- <https://www.worldbank.org/en/country/india/overview>