

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
CHHATRAPATI SAMBHAJINAGAR.**



Circular / Acad Sec./ PG / NEP PG-II Yr Curri./Uni. Comp./ 2024.

It is hereby inform to all concerned that, on the recommendation of Dean of Faculty of Humanities; **the Academic Council at it's Meeting held on 08th April, 2024 has accepted the "following Subject wise revised Curriculum at PG Level as per National Education Policy-2020" for all concerned university department** under the Faculty of Humanities.

Sr. No.	UG/PG Course Curriculum Name	Semester
01.	M. A. <u>Second Year</u> as per NEP [Marathi] For University Department	IIIrd & IVth
02.	M. A. <u>Second Year</u> as per NEP [Sanskrit] For University Department	IIIrd & IVth
03.	M. A. <u>Second Year</u> as per NEP [History] For University Department	IIIrd & IVth
04.	M. A. <u>Second Year</u> as per NEP [Archaeology] For University Department	IIIrd & IVth
05.	M. A. <u>Second Year</u> as per NEP [Political Science] For University Department	IIIrd & IVth
06.	M. A. <u>Second Year</u> as per NEP [Public Administration] For University Department	IIIrd & IVth
07.	M. A. <u>Second Year</u> as per NEP [Economics] For University Department	IIIrd & IVth
08.	M. A. <u>Second Year</u> as per NEP [Geography] for University Department	IIIrd & IVth
09.	M. A. <u>Second Year</u> as per NEP [Psychology] for University Department	IIIrd & IVth
10.	M.A. <u>Second Year</u> as per NEP [Thoughts of Mahatma Phule & Dr. B. R. Ambedkar] for University Department	IIIrd & IVth
11.	M.R.S. <u>Second Year</u> as per NEP [Socio-Cultural and Political Aspects] for University Institution/Department	IIIrd & IVth
12.	M.R.S. <u>Second Year</u> as per NEP [Rural Economics, Banking & Industry] for University Institution/ Department	IIIrd & IVth

This is effective from the Academic Year 2024-25 and Onwards as per appended herewith.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,
Chhatrapati Sambhajinagar-431 004.
Ref. No. SU/PG-II Yr/ Affi.Colleges
/ NEP Curri/ 2024/25762-71
Date: 21.05.2024.

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**Deputy Registrar,
Academic.**

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Copy forwarded with compliments to:-

- 1] **The Principal, all concerned affiliated colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar.
- 2] **The Director, University Network & Information Centre, UNIC,**
with **a request to upload this Circular on University Website.**

Copy to :-

- 1] **The Director, Board of Examinations & Evaluation,**
- 2] **The Sec. Officer, [Concerned Unit] Exam. Branch,**
- 3] The Section Officer, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar.

DrK*210524/-

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
CHATRAPATI SAMBAJINAGAR**



Curriculum of

M. A. | Economics |

Semester-III & IV

‘under National Education Policy-2020’

For

“University Autonomous Department”

[Effective from the Academic Year 2024-25 & Onwards]



Department of Economics

Year (Yr PG)	Le vel (2 Yr)	Sem.	Code	Name of Mandatory	course	Credits	Code	Name of Elective course	Credits	Code	Name of Elective course	Credits	Code	Name of course	Credits	Code	Name of Elective course	Credits	Code	Name of Elective course	Credits	Cum Cr/ Semester	Degree			
																								Major		
I	6.0	Sem: I	ECODM101	Micro Economics		4	ECODE101	Demography	4	ECOMD105	Research Methods in Economic	4										22	PG Diploma (after 3 year Degree)			
			ECODM102	Macro Economics		4	ECODE102	Agricultural Economics	4																	
			ECODM103	Mathematics for Economics		4	ECODE103	Growth Economics	4																	
			ECODM104	Statistics for Economics		2	ECODE104	International Economics	4																	
		Sem: II	ECODM201	Micro Economics		4	ECODE201	Elective-2: Industrial Economics	4	ECODM205	QTI/FP	4											22			
			ECODM202	Macro Economics		4	ECODE202	Rural Development	4																	
			ECODM203	Econometrics		4	ECODE203	Indian Economic Thinker	4																	
			ECODM204	Statistical Method		2	ECODE204	Monetary Economics	4																	
		Cum. Cr. For PG Diploma		Exit Option: PG Diplo		(44 Credits) after Three Year UG Degree		28														44				
II	6.5	Sem:III	ECODM301	Indian Economic		4	ECODE301	Elective-3: Gender Economics,	4	ECODM305	IP-1	4											22	PG Degree After 3 Year UG or PG Degree after 4 Year UG		
			ECODM302	Public Economics		4	ECODE302	Banking	4																	
			ECODM303	Mathematical Economics		4	ECODE303	Labour Economics	4																	
			ECODM304	Computer Applications in Economics		2	ECODE304	Environmental Economics	4																	
		Sem:IV	ECODM401	Indian Economy		4	ECODE401	Elective-4: International Monetary Economics;	4	ECODM405	IP-2:	6											22			
			ECODM402	Public Finance		4	ECODE402	Mathematical Programming	4																	
			ECODM403	Economics Methods and Applications		4	ECODE403	Financial Markets & Development Economics	4																	
		Cum. Cr. for 1 Yr PG Degree				26																44				
		Cum. Cr. for 2 Yr PG Degree				54																88				
2 Years: 4 Sem. PG Degree (38 credits) after Three Year UG Degree						16																44				
8.0				Course Work Min. 12 (3		12)																88				
				or 1 Year - 2 Sem PG Degree (44 Credits) after Four Year UG Degree		12)																88				
				Courses of 4 Credits Each 4 X 3 = 12)																		88				
				Training in Teaching/Education/ Pedagogy : 4																		88				
				Credit Societies, 8) Register Industrial Unit, etc																		88				
				Ph. D. in Subject																		88				

*OJT : Student can take training form 1) Banks, 2)

C. 3) SEBI, 4) NGO, 5) Agro based Industries, 6) Dairy Farms

7) Credit Societies, 8) Register Industrial Unit, etc

DETAILS OF COURSE STRUCTURE (2023-24)

M. A. Economics (NEP) II Year (Semester-III)

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM-301	Indian Economic Policy-I	4	20	80	100
ECODM-302	Public Economics	4	20	80	100
ECODM-303	Mathematical Economics	4	20	80	100
ECODM-304	Computer Applications in Economics	2	10	40	50
Research Project					
ECODM-305	Research Project	4	--	--	100
Generic Electives (Select any one papers)					
ECODE-301	Gender Economics	4	20	80	100
ECODE-302	Banking	4	20	80	100
ECODE-303	Labour Economics	4	20	80	100
ECODE-304	Environmental Economics	4	20	80	100
	Total Credits	22			

DETAILS OF COURSE STRUCTURE (2023-24)

M. A. Economics (NEP) II Year (Semester-IV)

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM-401	Indian Economy Policy-II	4	20	80	100
ECODM-402	Public Finance	4	20	80	100
ECODM-403	Econometrics Methods and Applications	4	20	80	100
Research Project					
ECODM-405	Research Project	4	--	--	100
Generic Electives (Select any one papers)					
ECODE-401	International Monetary Economics	4	20	80	100
ECODE-402	Mathematical Programming	4	20	80	100
ECODE-403	Financial Markets	4	20	80	100
ECODE-404	Development Economics	4	20	80	100
	Total	22			

W.E.F.2024-25 (NEP)

Course Code No.: EODM-301	No. of Credits:04	Semester: III
Course Title:	INDIAN ECONOMIC POLICY-I	
Course Objectives:		
<ol style="list-style-type: none"> 1. To provide information about the Indian Economy to the students. 2. They should also be able to know the intersectoral relationship of the various sectors of the Indian Economy. 		
Unit	Course Content	Periods
I	Basic Economic Indicators and Concepts: National income its Limitation, Sector wise performance of Indian Economy, Sustainable Development, Green Economy, National Human Development Report, Global Hunger Index, Happiness Index, Right to Education Act 2009, New Education Policy 2020 (NEP 2020), Vision & Trends of the 5 Trillion Economy (India Superpower), Seven Pillars of the Indian Economics 2023 (Saptarshi) etc.	15
II	Demographic Features:- Broad-demographic features, Concept of the Indian population, Caste Based Census in India, Distribution of population of India, Demographic deident, Urbanization, Population Policy 2000, Census 2011, Status of Social Infrastructure (Education, Health).	15
III	Problems of the Indian Economy :- Poverty, inequality and unemployment (Land, Forest, Weather, Fishers, Minerals etc), Interstate disparities National Resource in economic growth, Parlal Economy, RUSA, Global Warming National hazards and Migration, Global Recession: Its impact on Indian economy (Agri., industry, Employment and Share Market etc.	15
IV	India's New Economic Policy Since 1991:- Economic crisis of 1990-91. stabilization and structural reforms TheIMF-World Bank Model, Two decadeal performance of LPG programme, Policy for weaker section's - SC, ST, OBC, DNT & Minority, women, FRBM Act, Electoral Bonds etc.	15
Learning Outcomes : After completion of the course students should be able to----- Students will get an in-depth understanding of the policies formulated of the development of India. Student will learn the political economy of reforms. Students will be able to read, write and understand the overall concepts of Indian Economics. CO 1: Summarize the basic concepts of demographic features CO 2: Analyse the problems of Indian Economy CO 3: Appraise the basic traits of Indian Economic Policy		

Basic Reading List:

1. 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.
2. Bardhan P K. (9th Ed.) (1999) The Political Economy of Development in India, Oxford University Press, New Delhi.
3. Bawa, R. S. and P. S. Raikhy (Ed) (1997) Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4. Bhahmananda, P. R. and V. T. Panchmukhi (Ed) (2001) Development Experience in Indian Economy Inter – State Perspectives, Bookwell, Delhi.
5. Chakravarty, S. (1987) Development Planning: The Indian Experience, Oxford University Press, New Delhi.
6. Dantwala, M. L. (1966) Dilemmas of Growth The Indian Experience, Sage Publications, New Delhi.
7. Datta R. (Ed.) (2001) Second Generation Economic Reforms in India, Deep and Deep Publications, New Delhi.
8. Government of India, Economic Survey (Annual) Ministry of Finance, New Delhi.
9. Jain A. K. (1986) Economic Planning in India, Ashish Publishing House, New Delhi.
10. Jalan B. (1996) India's Economic Policy – Preparing for the Twenty First – Century Viking, New Delhi.
11. Joshi V. and I. M. D. Little (1999) India, Macro Economics and Political Economy, 1964-1991, Oxford University Press, New Delhi.
12. Parikh K. S. (1999) India Development Report 1999-2000, Oxford University Press, New Delhi.
13. Reserve Bank of India, Report of Currency and Finance (Annual).
14. Sandesara J. C. (1992) Industry Policy and Planning 1947-1991: Tendencies Interpretations and Issues, Sage Publications, New Delhi.

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DEPARTMENT OF ECONOMICS
M. A. Syllabus (NEP with effect from 2023-24)

W.E.F.2024-25 (NEP)

Course Code No.: EODM-302	No. of Credits:04	Semester: III
Course Title:	PUBLIC ECONOMIC	
Course objectives:		
<ol style="list-style-type: none"> 1. Elaborating the role of State in a market oriented economy. 2. Evaluating the principles of public economics. 3. Comprehending the basics of budget Economics 		
Unit	Course Content	Periods
I	Economic Rationale of the Modern State Rationale of State intervention- issues related to market failure and need for state intervention- externalities- the role of state in Allocation, Distribution, Regulation, Stabilization and in the Information sector - Individual and social welfare- Arrow's impossibility theorem- The Leviathan hypothesis	16
II	Economic Analysis of Public Goods: Pure and impure public goods, optimal provision of public goods –merit goods-voting and public choice–preference revelation mechanism – Lindahl equilibrium- free riding - The theory of clubs-public goods and the private cost of public goods - The global fiscal commons-The emergence of tax havens	16
III	Theory of Taxation: The conflict between efficiency and equity Horizontal and vertical equity- Shifting and incidence of tax: The Harberger Model, Canons of Taxation, theory of optimal taxation, Taxation and economic efficiency, Principles of efficient international taxation – The Tobin Tax	16
IV	Economic Principles of the Government Budget: Basics of Budget Economics: Types of budgets, scope and Importance of Budget -Determination of efficient Budget size, Definition and major components of tax and non- tax revenue , Deficit Financing and its implications: Crowding out, Money supply and price level Public Debt Burden and Intergenerational Equity The concept of Sovereign Debt; union budget of India	12
Learning Outcomes : After completion of the course students should be able to----- Students will get an in-depth understanding of the policies formulated of the development of India. Student will learn the political economy of reforms. Students will be able to read, write and understand the overall concepts of Indian Economics. CO 1: Summarize the basic concepts of demographic features CO 2: Analyse the problems of Indian Economy CO 3: Appraise the basic traits of Indian Economic Policy		

Basic Reading List:

- 1) Musgrave R.A. (1959), The Theory of Public Finance, McGraw Hill, Kogakusha, Tokyo
- 2) Musgrave R.A. and P.B. Musgrave (1976) , Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo
- 3) Buchanan J.M. (1970), the Public Finances, Richard D. Irwin, Homewood, Illinois.
- 4) Rao Rakshit (Ed.) (2011), Public Economics: Theory and Policy, Sage, NIPFP, New Delhi
- 5) Carnes and Sandler (1996), The Theory of Externalities, Cambridge University Press.
- 6) Peacock A. and D.J. Robertson (Eds) (1963), Public Expenditure: Appraisal and Control, Oliver and Boyd, Edinburagh.
- 7) Davie and Duncombe (1972), Public Finance, Rinehart and Winston, Inc New York.
- 8) Myles Gareth (1995), Public Economics, Cambridge University Press.
- 9) Auerbach, A. and M. Feldstein (1987), Handbook of public Economics, Vol. 1 and 2, North Holland, Amsterdam.
- 10) Johansen Leif (1965), Public Economics, North-Holland Publishing Company, Amsterdam.
- 11) Laffont, Jean- Jacques (1994), Fundamentals of Public Economics, MIT Press Cambridge, Mass.
- 12) Rosen, Harvey S. (1995), Public Finance 4th Edition, Richard D. Irwin, Chicago.
- 13) Thompson. F and Green, M.T. (1998), Handbook of Public Finance, Marcle Dekker, New York.

Additional Readings:

- 1) Evandoru Maria, Glennester H. and J. Hills (1998), The State of Welfare and the Economics of Social Spending, Oxford University Press, London.
- 2) Ferguson J.M. (Ed) (1994), public Debt and future Generation, North Colombia University Press, Chapel Hill.
- 3) Friedman, A. (1986), Welfare Economics and Social Choice Theory, Martins Nijhoff, Boston.
- 4) Buchanan J.M. (1958), Public Principles of Public Debt: A Defense and Restatement, Richard D Irwin, The Collected Works of J M Buchanan, Vol.2.
- 5) Goode R. (1986), Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
- 6) Hockley G. (1992), Fiscal Policy: In Introduction, Routledge.
- 7) JhaRaghabendra (2010), Modern Public Economics, Routledge London.
- 8) Menutt P. (1996), The Economics of Public choice, Edward Elgar U.K.
- 9) Peacock A and G.K. Shaw (1976), The Economic Theory of fiscal Policy, George Allen and Unwin, London.
- 10) Shaw G.K. (1972), Fiscal Policy, Macmillan Studies in Economics.
- 11) Duff L. (1997), Government and Market, Orient Longman, New Delhi.
- 12) Alan Peacock (1979), The Economic Analysis of Governments, St. Martin Press, New York.
- 13) Atkinson, And Stigilitz, J (1980), Lectures in Public Economics, McGraw Hill, London.
- 14) Boadway, R. (1084) Public Sector Economics 2nd Sub edition, Scott Foresman and Co. London.
- 15) Cullis, J. and Jones, P. (1998), Public Finance and public Choice, 2nd Edition Oxford University press, Oxford.
- 16) Due, John F. and Friedlander, Ann F. (1977), Government Finance: Economics of the Public Sector, 6th Edition, Tichard D, Irwin Inc., Homewood.

- 17) Helpman, E, Razin, A and Sadka, E. (1988) Editors, Economics Effects of the Government Budget, MIT Press, Cambridge, Mass.
- 18) Stiglitz, J.E. (1989), Economics of the Public Sector, W.W. Norton and Company, London.
- 19) World Bank (1996), From Plan to Market, World Development Report, the World Bank, Washington DC.
- 20) World Bank (1997), the State in a Changing World, World Development Report, The World Bank, Washington DC.
- 21) World Bank (1996), Knowledge for Development, World Development Report, The World Bank, Washington DC.
- 22) Agno Sandmo (1976), Optimal Taxation: an Introduction to Literature, Journal of Public Economics, 6, pp 37-54.
- 23) Blejer, M and Adrienne, C. (1993): How to Measure the Fiscal Deficit. International Monetary Fund, Washington DC.
- 24) Blejer, M. I. and Adrienne C Measurement of Fiscal Deficit, Analytical and Methodological Issues, Journal of Economic Literature, 29(4); 1644-78.
- 25) Buiter W.H. (1990), Principles of Budgetary and financial Policy, Harvester Wheatsheafm, New York.
- 26) A.C., 1962. The incidence of the corporation income tax. Journal of Political Economy 70(3). 215-240.
- 27) James M. Buchanan (1965), An Economic Theory of Clubs, Economic, New Series, VOL. 32. NO.125.pp.1-14.
- 28) Samuelson Paul A. (1954) The Pure Theory of Public Expenditure, Review of Economics and Statistics, 387-389.
- 29) Samuelson Paul A. (1955), A Diagrammatic Exposition of the Theory of Public Expenditures. Review of Economics and Statistics (Nov.)
- 30) Finmin.ac.in
- 31) Acharya Shankar (2005), Thirty Years of Tax Reform in India, Economic and Political Weekly, May 14.
- 32) Bhalla, S. (2005), Tax Rates, Tax Compliance and Tax Revenues: India, 1988-2004 web link: [Http://www.oxusresearch.com/downloads/ce070704.pdf](http://www.oxusresearch.com/downloads/ce070704.pdf).
- 33) Government of India (1992), Report of the tax Report of the tax Reform committee (chairman- Raja J. Chhaliiah)
- 34) PoddarSatya and Ahmad Ehtisham (March 2009), GST Reforms and Intergovernmental Considerations in India, Working paper No.1/2009-DEA, Department of Economic Affairs, Ministry of Finance, Government of India.
- 35) AmareshBagchi and P.Chakraborty (2004), Towards a Rational System of Centre- state Revenue Transfers, Economic and Political Weekly, June 26, pp.2737-2747.
- 36) AmareshBagchi (2006), Towards GST: Choices and Trade off, Economic and political Weekly, April 8.
- 37) AmareshBagchi (2008), Globalization and Federalism: Uneasy partners? Economic political Weekly, September 20.
- 38) Govinda Rao M (2001), Taxing Services: Issues and Strategy, Economic and political Weekly, October, 20, 2001.
- 39) Govinda Rao M. and Nirvikar Singh (2007), The Political Economy of India's Fiscal Federal System and its reform, the Journal of Federalism, Volume 37(1), pp.24.44.
- 40) Gulati I S (1991), Reducing the Fiscal Deficit: soft and hard options, Economic and Political Weekly, July 20.
- 41) Gulati I.S. (1994), Calculating the fiscal Deficit: A Note on certain Capital Receipts, Economics and Political Weekly.
- 42) Kavita Rao R and PinkiChakraborty (2010), Goods and Services Tax in India: An Assessment of the Base, Economic and Political Weekly, VOL. XLV, No. 1, January 2.

- 43) Mala Lalvani (2009), Persistence of Fiscal Irresponsibility: Looking Deeper into Provisions of the FRBM Act, Economic and Political weekly, VOL.44, No. 37.pp.57-63
- 44) Rakshit M. K. (2000), On Correcting Fiscal Imbalances in the Indian Economy- Some Perspectives, ICRA Bulletin.
- 45) Rangarajan C. and D. K. Srivastava (2008), Reforming India's Fiscal Transfer System: Resolving Vertical and Horizontal Imbalances, Economic and Political Weekly, VOL.43, No.23, pp. 47-60.
- 46) GOI, Central Government subsidies in India: A Report, Dec 2004
- 47) GOI, A white paper on State Level Value- added Tax, January 2005
- 48) GOI, Report of The Internal Working group on debt management.
- 49) GOI, Government debt- status and Road Ahead, Nov, 2010.
- 50) GOI, An Economic and Functional Classification of the central government Budget, Feb 11, 2014.
- 51) GOI, Expenditure Reforms commission report.
- 52) De Supriyo (2012), Fiscal Policy in India, Trends and Trajectory, GOI Working paper.
- 53) NIPFP (1994), Reform of Domestic Trade Taxes in India: Issues and Options, National Institute of Public Finance, New Delhi.

W.E.F.2024-25 (NEP)

Course Code No.: ECODM-303		No. of Credits:04	Semester: III
Course Title:		MATHEMATICAL ECONOMICS	
Course Objectives:			
<ol style="list-style-type: none"> 1. To familiarize students with logical arguments and proofs 2. To provide foundations of major techniques to solve optimization problems in economics. 3. To give students deeper understanding and working knowledge of mathematics. 4. It also aims at developing critical thinking, and problem-solving, empirical research and model building capabilities. 			
Unit	Course Content		Periods
I	Theory of Consumer Behaviour 1.1 Utility functions – Meaning, properties and uses : homogeneous and homothetic utility functions, Separable and additive utility functions, indirect utility function ,indirect utility function, Compensated demand function. 1.2 Cardinal and ordinal utility maximization; Substitution method, Lagrange’s multiplier method , mathematical interpretation of Slutsky equation. 1.3 Concept of elasticity- Mathematical derivation of elasticity, types of elasticity, mathematical relationship between elasticities		15
II	Analysis of the Firm 2.1 Production function- homogeneous and non-homogeneous, Properties of production function; Cobb-Douglas production ,CES, Production function ,VEX production function. 2.2 Simple derivation of short run and long run cost functions ; Modern approach to theory of costs; Cost function, constrained optimization of a producer. 2.3 Input demand functions ; elasticity of substitution input demand function 2.4 Adding up theorem, Technical progress through production function.		15
III	Market Equilibrium 3.1 Price & output determination in perfect competition 3.2 Monopoly: price discrimination, market discrimination, taxation and monopoly output 3.3 Monopsony, Monoplistic competition 3.4 Duopoly & Oligopoly- The quasi-competitive solution, Collusion solution , Cournot solution, Stackelberg solution		15
IV	4.1 Marshallian and Walrasian equilibrium conditions, lagged market equilibrium 4.2 Multi-market equilibrium- general equilibrium 4.3 systems of Walras and Debreau ; Conditions of stability for equilibrium		15

Learning Outcomes

On completion of the Course, students should be able to –

1. Analyze consumer behavior for utility maximization.
2. Apply pricing and output decisions in diverse market structure with mathematical techniques
3. evaluate theories of firms for revenue maximization and cost minimization
4. develop some economic models with mathematical techniques for economic policies .

Suggested Readings:

1. Chiang, A.C.(1998), Fundamental Methods of Mathematical Economics , McGraw Hill, New York.
2. Henderson and Quandt(1985), Microeconomic Theory: A Mathematical Approach (third edition, McGraw-Hill
3. Agarwal H.S.(1976) Introduction to Econometrics, Lakshmi Naran Agarwal, Agra.
4. Shone, R., Microeconomics: A Mathematical Treatment

Additional Reading

1. Katzner, D.W.(1970), Static Demand Theory, MacMillan, New York.
2. Von Neumann, J., and O.Morgenstern (1947), Theory of Games and Economic Behaviour
3. Friedman, J.W. (1977), Oligopoly and the Theory of Games, North-Holland, Amsterdam.
4. Varian, Hal P. (1978), Microeconomics, Norton, New York.
5. Intriligator, M.K. et al, ed., Handbook of Mathematical Economics, North-Holland, 3 volumes.

Course Code No.:ECODM-304		No. of Credits: 02	Semester: III
Course Title:		Computer Applications in Economics	
Course Objectives:			
1. To provide students with computer programming for economical analysis.			
2. The provide students with training suitable for careers in banking, industry, applied mathematics, statistical tools with computer programming .			
Unit			Periods
I	Use of Computer in Research: MS-Office and its application, File handing in window, various versions of MSOffice, Research publishing tool- MS-word, Adobe acrobat, Graphics tool- MS Excel. MS-Power Point, Using Internet for Research The Internet: Use of E-Journals, Use of E-library, searching the keyword search engines, News and multimedia, governments, archives and statistics.		15
II	Basic Statistics and Computer Applications: Statistical analysis through MS Excel, SPSS, Basic operations – creation of the data file, data entry, data labels, coding and recoding of the data, editing, and other related operations for creation of a data file and syntax file; Analysis of data - generation of summary tables, cross tables, general tables, various measures of central tendency and dispersion, correlation, regression, various tests of significance, analysis of variance etc. graph and other utilities.		15
Learning Outcomes: After completion of the course students should be able to-----			
1. Demonstrate the usage of computers and how computers are essential components in learning, business and society.			
2. Employ proficiency in the use of excel, word, & power point to interpretation and presentation.			

References:

1. Sinha, P. K. and Sinha, P. (2007), Computer Fundamentals, , BPB Publications, New Delhi.
2. Norton, P. (2008), Introduction to Computers, The McGraw-Hill Companies Ltd., N. Delhi
3. French, C. S. (1998) Data Processing and Information Technology, BPB Publication, N. Delhi
4. Jain, S. and et al. (2007) IT Tools and Applications, BPB Publications, New Delhi.
5. Gaur, A. S. and Gaur, S. S, Statistical Methods for Practice and Research-A Guide to Data Analysis Using SPSS, Sage Publication New Delhi.
6. Gupta, S.C. and Kapoor, V. K (2001), Fundamentals of Applied Statistics, Himalayan Publishing House, Allahabad

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DEPARTMENT OF ECONOMICS
M. A. Syllabus (NEP with effect from 2023-24)

Course Code No.: ECODM-304	No. of Credits: 04	Semester: III
Course Title:	RESEARCH PROJECT	
Course Objectives:		
<ol style="list-style-type: none"> 1. To understand the skill requirement of employee. 2. To aware challenges and opportunity for job. 3. To train the student to solve the social and economic issues in society. 4. To nurture students personality to face the issues in changing scenario. 		
Unit	Course Content	Periods
I	Student can complete field work and submit research project related to his / her major subject. Student can select any topic in concern with his supervisor.	60
Course Outcome: After completion of the course students should be able to----		
<ol style="list-style-type: none"> 1) The nature and requirements of employment. 2) Become aware of skills for job. 3) Start business. 4) Familiar with employment issues in society. 5) Find out solution for social or economic issues in society. 		

Course Code No.: ECODE-301	No. of Credits: 04	Semester: III
Course Title:	Gender Economics	
Course Objectives:		
<p>3. To provide information about the gender economics to the students.</p> <p>4. They should also be able to know the intersectoral relationship of the various sectors of the economy.</p>		
Unit	Course Content	Periods
I	<p>Basic Concepts Concepts of gender and patriarchy. Gender bias in theories of value, distribution and population. Gender critique of household, individual, family as economic unit. Importance of kinship: Patrilineal and matrilineal systems and their relevance in modern Indian society and economy. Women's role in production and reproduction; women's access to land and other productive assets; women's role in decision-making.</p>	15
II	<p>Women's Work Conceptual approaches to women's work: productive and unproductive work in economic theory and its critique; visible and invisible work, paid and unpaid work, home-based work, socially productive work, women's work in reproduction. Women and caste-based division of labour. Economic status and work participation of women in pre-industrial and industrial societies. Women's contribution to national income. Women's work participation in Indian Census.</p>	15
III	<p>Women and Labour Markets Factors affecting women's entry into the labour market. Supply of and demand for female labour in developed and developing economies. Trends in female work participation rate in India. Gender-based wage differentials across regions and economic sectors.</p>	15
IV	<p>Women, Technology and Environment Impact of technological development and modernization on women's work in agriculture, non-agriculture rural activities, cottage industry and organized industry. Women's role in sustaining the environment, impact of ecological changes on women. The WID-WAD-GAD debate on Women and Development.</p>	15
<p>Learning Outcomes : After completion of the course students should be able to---- Students will get an in-depth understanding of the policies formulated of the development of India. Student will learn the political economy of reforms. Students will be able to read, write and understand the overall concepts of Gender Economics. CO 1: Summarize the basic concepts of gender demographic features CO 2: Analyse the problems of Gender Economy CO 3: Appraise the basic traits of gender economics</p>		

Reading List

1. Singh, Andrea M., and Anita K. Vitann,(eds) (1987),Invisible Hands: Women in Home-based Production, Sage.
2. Bhasin,Kamla and Khan,Nighat Said,(1986), Some Questions on Feminism and its Relevance in South Asia
3. Goldschmidt-Clermont, Luisetta (1985), Unpaid Work in the Household
4. Secombe, Wally(1973), Housework and Surplus Value under Capitalism, *New Left Review*
5. Boserup, E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.
6. Raj, Maithreyi Krishnaraj (1988), Women and Development, Indian Experience, Oxford University Press, New Delhi.
7. Seth, M.(2000), Women and Development, Indian Experience, Sage, New Delhi.
8. Raj, Maithreyi Krishnaraj, R.M. Sudarshan and A. Shariff(1999), Gender, Population and Development, , Oxford University Press, New Delhi.
9. Venkatesaran, S. (1995), Environment, Development and the Gender Gap, Oxford University Press, New Delhi.
10. Papola, T.S. and A.N. Sharma eds. (1999), Gender and Employment in India,Vikas Publishing House, New Delhi.
11. Chenery, H.B. and T.N. Srinivasan (eds.) (1988), Handbook of Development Economics, North-Holland, Amsterdam.
12. Ahmed, I. (ed.) (1985),Technology and Rural Women: Conceptual and Empirical Issues, George Allen and Unwin, London.
13. Jhabvala, Rehana and R.K. Subramanya (eds.) (2000), The Unorganised Sector: Work Security and Social Protection, Sage, New Delhi.
14. Carr, M.C. and R. Jhabvala (eds.) (1997), Speaking Out: Women's Economic Empowerment in South Asia, Vistaar Publications, New Delhi.
15. Agarwala, Bina (1994), A Field of ne's Own, Gender and Land rights in South Asia, Cambridge University Press.
16. Mies, Maria (1986/1998), Patriarchy and Accumulation on a World scale: Women in the International Division of Labour, Zed Books, London.

M.A. (Economics) SYLLABUS

Course Code No.: ECO- 301	No. of Credits: 04	Semester: III
Course Title:	BANKING	
Course Objectives:		
<p>The Objectives of this course is to introduce different roles that various financial institutions play in our economy and learn the risks inherent in the operation of these financial institutions, In addition, the course analyzes basics of monetary policies and operations of commercial banks and other financial institutions as well as an overview of the globalization.</p>		
Unit	Course Content	Periods
I	Financial concepts; Financial inter mediation and financial intermediaries; The structure of financial system; indicators of financial development, financial system and economic development	15
II	Functions of central Bank, the objectives of the monetary policy; instrument of monetary policy, changing trends in monetary policy in India, RBI's short term liquidity management, effectiveness of monetary policy, Prudential Norms.	15
III	Performance of commercial banks, function & proliferation of commercial banks, Foreign commercial banks, financial inclusion in India, New trends in banking.	15
IV	Development banks: role and functions, investment banking and merchant banking, meaning and types of non bank financial intermediaries.	15
Course Outcomes: After completion of the course students should be able to-----		
<ul style="list-style-type: none"> • Describe the financial concepts. • Explain the functioning of bank system. • Connect with the monetary policy of RBI. • Judge the role of development banks in economic development. 		

Suggested Readings:

1. Bhasin Niti (2007), "Banking and Financial Markets in India (1947 to 2007)", New Century Publications, New Delhi.
2. Bhole, L.M. (2009), "Financial Institutions and Markets", Tata McGraw Hill Company Ltd., New Delhi.
3. Edminster, R.O. (1986), "Financial Institutions Markets and Management", McGraw Hill, New York.
4. Ghosh, D.N. (1979), "Banking Policy in India – An Evaluation", Allied Publishers.
5. Goldsmith, R.W. (1969), "Financial Structure and Development".
6. Harker, P.T. and S.A. Zenios (2000) Ed., "Performance of Financial Institutions", Cambridge University Press, Cambridge.
7. Johnson, H.J. (1993), "Financial Institutions and Markets", McGraw Hill, New Delhi.
8. Khan M.Y. (1996), "Indian Financial System", Tata McGraw Hill, New Delhi.
9. Machiraju, M.R. (1999), "Indian Financial Systems", Vikas Publishing House, New Delhi.
10. Prasad, K.N. (2001), "Development of India's Financial System", Sarup and Sons, New Delhi.
11. Reserve Bank of India, "Functions and Working" (4th Edition), 1983.
12. "Report of the Committee on the Financial System" (Narasimhan Committee), 1991, R.B.I. Bombay.
13. Singh S.K. (2009), "Bank Regulation", Discovery Publishing House, New Delhi.

Additional Readings:

- 1) Desai, Vasant (2008), "Fundamentals of the Indian Financial System", Himalaya Publishing House, Mumbai.
- 2) Mithani D.M. (2004), "Money and Financial System", Himalaya Publishing House, Mumbai.
- 3) Natrajan & Gordon (2008), Financial Markets & Services, Himalaya Publishing House, Mumbai.
- 4) Reeta Mathur (2008), Monetary Innovations, Wide Vision, Jaipur.

Course Code No.: ECODE-304	No. of Credits: 04	Semester: III
Course Title:	ENVIRONMENTAL ECONOMICS	
Course Objectives: The objective of this course is to provide some insight into the interlinkages between economics, environmental and ecology. The course is also helpful to understand environmental problems and solving it by applying economic principles.		
Unit	Course Content	Periods
I	Environments, Ecology & Economy: Environment, Ecology and Ecosystem: Interlinkages between Environment, Ecology and Economics. Environmental problems in developing countries; market failure and externality. The theory of externality and public good - Pigeon and case material balance approach.	12
II	Types of Resources and Resource Allocation: Renewable and non-renewable resources: energy, forests, wild life, biodiversity. Theories of optimal use of exhaustible and renewable resources.	12
III	Environmental Problems and Measures: Environmental pollution: Air Pollution, Water Pollution, Soil Pollution, Noise pollution. Climate change and its economic impact. Environmental policy and measures in India. Environment protection laws. Global warming.	12
IV	International Trade Environmental: Environment and development linkages, Environmental and development trade off and concept of sustainable development. Poverty and environment. Environment and population issues. Traditional Trade Theory and Extension of Environment, Economic Approaches of Trade and Environment, Banning Trade on Endangered Species, GATT and WTO, Environmental Regulations and Patterns of Trade, trading environmental permits/carbon credits, ecological and carbon debt, international forums and role of developed and developing nations, Application of trade and environment □ case of India and other countries in Asia.	12
Course Outcome: Students should be able to :- <ul style="list-style-type: none"> • Understand the interlinkages between environment, ecology and economy. • Optimal use of resources. • Aware of the economic impact of climate change. 		

Suggested Readings:

1. Baumol ,W.J. and W.E.Oates (The theory of Environmental Policy ,(2nd Edition),Cambridge University Press ,Cambirdge.
2. Bromely,D.W.(Ed.)(1995) Handbook of Environmental economics ,Blackwell London.
3. Fisher,A.C(1981) Resource and Environmental Economics ,Cambridge University Press, Cambridge
4. Hanley, N.J.F.Shogren and B.White (1997) Environmental Economics in Theory and Practice , Macmillan
5. Hussen, A.M. (1999) Principles of Environmental Economics,Routledge, London.
6. Jeroen ,C.J.M. Van den Bergh (1999)Handbook of Environmental and Resource Economics ,Edward Elgar Publishing Ltd.U.K.
7. Kolstad , C.D.(1999)Environmental Economics ,Oxford University Press ,New Delhi
8. Pearce ,D.W. and R.Turner (1991) Economics of Natural Resource Use and Environment John Hopkins University Press ,Baltimore .
9. Perman ,R.Ma and J.McGilvary (1996) Natural Resource and Environmental Economics ,Logman , London.
10. Sankar,U (Ed) (2001) Environmental Economics ,Oxford University Press ,New Delhi.
11. B. Groom, C. Hepburn, P. Koundouri, and D. Pearce. "Declining Discount Rates: The Long and the Short of It." *Environmental & Resource Economics*, Vol. 32 (2005)
12. Baumol, W. J. & W. E. (1997), *The Theory of Environmental Policy*, Prentice Hall, Englewood-Cliffs.
13. Bhardwaj, R. (1983), *Managing Limits to Growth*, Asian and Pacific Development Centre, Kula Lumpur.
14. Dorfman, R. & N. Dorfman (Eds.) (1977), *Economics of the Environment*, W. W. Norton, New York.
15. Nijkamp, P. (Ed.) (1976), *Environmental Economics*, Vol. I & II, Martinus Nijhoff, Leiden.
16. Charles Peering (1987), *Economy and Environment* Cambridge University Press, New York.
17. Ali, S. A. (1979), *Resources for Future Economic Growth* Vikas Publishing House, New Delhi.
18. Rathore, M. S. (Ed.) (1996), *Environmental and Development*, Rawat Publications, Jaipur.
19. Garge, M. R. (Ed.) (1996), *Environmental Pollution and Protection*, Deep and Deep Publications, New Delhi.
20. Lodha, S. L. (Ed.) (1991), *Economics of Environment*, RBSA Publishers, Jaipur.

M.A. (Economics) SYLLABUS

Course Code No.: ECODE-303	No. of Credits: 04	Semester: III
Course Title:	LABOUR ECONOMICS	
Course Objectives:		
Objective of the paper is to give idea about various issues in labour market.		
Unit	Course Content	Periods
I	Conceptual Issues: Definition, basic issue of labour force – Determinations of labour force participation – Male, female and child work participation in India – Employment: concept, measurement - unemployment: types, rates and composition, causes and effects – migration: internal and international migration.	15
II	Labour Market: Competitive and non- competitive markets – the segment labour market – formal and informal labor market – dualism and segmentation – impact of privatization – report of second labour commission on various aspects of labour market.	15
III	Wage Determination : The determination of wages, wage structure and components of wages – share of wage distribution and inequality of wage income – gender and intersectoral wage differentials.	15
IV	Demand for labour: Demand for labour in short and long run – the determinants of labour demand – Impact of technological change on labour: mechanization, automation, new technology – Impact of globalization of an labour Evolution and role of trade unions - origin structure and growth of trade unions – Impact of unions on productivity and efficiency	15
Course Outcome :- After completion of the course students should be able to----		
a) Know the various determinants of labour market participation.		
b) Explain the determinations of wages in economy		
c) Describe impact of technology on labour demand.		

References:

- 1) Amin, Ash (Ed) (1994) 'Post – Fordism – A Reader', Blackwell, Oxford.
- 2) Bhagoliwal T. N. (1985), 'Economics of Labor and Industrial Relations', Sahitya Bhawanm Agra.
- 3) Cahuc Pierre and Andre Zylberberg (2004), 'Labour Economics', MIT Press, Massachusetts.
- 4) Government of India (2002), 'Ministry of Human Resource Development', Report of Second National Commission of Labour.
- 5) Hicks J. R. (1932), 'The Theory of Wages', Clarendon Press, Oxford.
- 6) Monappa, Arun (1985), (28th Reprint, 2005) 'Industrial Relations' Tata McGraw Hill, New Delhi.
- 7) Pencavel, John (1991), 'Labour Markets under Trade Unionism Employment Wages and Hours', Basil Blackwell, Cambridge, Massachusetts.
- 8) Rees, Albert (1973), 'The Economics of Trade Unions' (3rd Ed), University of Chicago Press, Chicago.
- 9) Sapsford David and Zafiris Tzannotos (1993), 'The Economics of Laboru Market', Macmillan, Londaon.
- 10) Singh Jwitesh Kumar (1998), 'Labour Economics', Deep and Deep Publishers, Delhi.

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M. A. Syllabus (NEP with effect from 2023-24)

DETAILS OF COURSE STRUCTURE (2023-24)
M. A. Economics (NEP) II Year (Semester-III)

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM-301	Indian Economic Policy-I	4	20	80	100
ECODM-302	Public Economics	4	20	80	100
ECODM-303	Mathematical Economics	4	20	80	100
ECODM-304	Computer Applications in Economics	2	10	40	50
Research Project					
ECODM-305	Research Project	4	--	--	100
Generic Electives (Select any one papers)					
ECODE-301	Gender Economics	4	20	80	100
ECODE-302	Banking	4	20	80	100
ECODE-303	Labour Economics	4	20	80	100
ECODE-304	Environmental Economics	4	20	80	100
	Total Credits	22			

DETAILS OF COURSE STRUCTURE (2023-24)
M. A. Economics (NEP) II Year (Semester-IV)

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM-401	Indian Economy Policy-II	4	20	80	100
ECODM-402	Public Finance	4	20	80	100
ECODM-403	Econometrics Methods and Applications	4	20	80	100
Research Project					
ECODM-405	Research Project	4	--	--	100
Generic Electives (Select any one papers)					
ECODE-401	International Monetary Economics	4	20	80	100
ECODE-402	Mathematical Programming	4	20	80	100
ECODE-403	Financial Markets	4	20	80	100
ECODE-404	Development Economics	4	20	80	100
	Total	22			

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W.E.F.2024-25 (NEP)

Course Code No.: ECOM-401	No. of Credits: 04	Semester: IV
Course Title:	INDIAN ECONOMIC POLICY-II	
Course Objectives:		
1. Student shall be able to learn some important issues concerning Indian Economy 2. Student should be able to increase the knowledge of various policy initiatives and basic concept of Indian Economy.		
Unit	Course Content	Periods
I	Planning in India: Evaluation of the objectives and strategy of planning, 12th plan, Achievements and failures of the plans, 73rd 74th constitutional amendment: Rural and Urban local self-government, Nagar Rachana Bill Central and state, National Institution for Transforming India (NITI Aayog), State Planning and Markets: Policy Choices.	15
II	The Agricultural Sector: Agrarian crisis in India, Agricultural Policy 2000, Farmer Policy 2007, Agricultural Subsidies, Rural indebtedness, Food security, Land reforms, Land acquisition Bill etc.	15
III	The Industrial Sector: Role public and private sector in Indian economy and employment New Industrial Policy: 2002 competition Act 2002, Exim policy (FEMA) Foreign Exchange Money Act, manufacturing Hub, disinvestment Policy in India, Special Economic Zone etc.	15
IV	The External & Financial Sector: Recent trends in India's balance of payments, Full convertibility of rupee, foreign capital, FDI, Foreign Institutional Investment (FII) and role of multinational companies in India, Infrastructural and development (Education, Health, parallel economy energy), Corruption in India, Policy to control parallel economy, Monetary & Fiscal Policy, Global Recession: It's impact on Indian economy (Agri., industry, employment and share market) etc.	15
Learning Outcomes : After completion of the course students should be able to---- CO 1: Student will come to get an in depth understanding regarding policies designed for various sector of the Indian Economy. CO 2: Student should be able to understand the sectoral performance and its impact on the growth of India.		

Suggested Readings:

- 1) Mishra & Puri – Indian Economy, Himalaya Publishing House, New Delhi.
- 2) Baldev Raj Nayar (2007), “Globalization Nationalism”, (Sagar Publication, New Delhi.)
- 3) Suresh D. Tendulkar and T. A. Bhavani (2007), “Understanding Reforms 1991 India” New Delhi
- 4) Government of India (2008), “Planning Commission, Eleventh Year Plan 2007-12”, Volume III Delhi.
- 5) G. S. Bhalla (2007), “Indian Agriculture Since Independence”, (National Book Trust, New Delhi)
- 6) V. S. Vyes (2003), “India’s Agrarian Culture, Economic Policies and Sustainable Development”, (New Delhi)
- 7) C. Rangaroyan (2002), “Paradigm shifts in industry policy”.
- 8) Biplab Dasgupta (2006), “Globalization India’s Adjustment Experience”, (Sage Publication, New Delhi)
- 9) Vijay Joshi and I.M.D., (2008) “Little India’s Economic Reforms 1991-2001”, New Delhi.
- 10) Gupta, S.P. (1989), “Planning and Development in India: A Critique”, Allied Publishers Private Limited, New Delhi.
- 10) Bhagwati Jagdish (2004): “In Defense of Globalization”, Oxford University Press U.K.
- 11) Government of India (2005), “Economic Survey”, (2004-05)
- 12) Meenakshi, S. (1994), “Decentralization in Developing Countries”.
- 13) Datt, and Sundaram, K.P.M.(2004), “Indian Economy”, S.Chand & New Delhi.
- 14) Dr. V.M.Gowilkar (2009), “Intellectual Property Rights”, Diamond Publication, Pune.
- 15) I. Satya Sundaram (2009), “Rural Development”, Himalaya Publishing House, Nagpur.

Additional Readings:

- 1) Vijay Joshi and I.M.D., (2008) “Little India’s Economic Reforms 1991-2001”, New Delhi.
- 2) Gupta, S.P. (1989), “Planning and Development in India: A Critique”, Allied Publishers Private Limited, New Delhi.
- 3) Government of India (2005), “Economic Survey”, (2004-05)
- 4) Meenakshi, S. (1994), “Decentralization in Developing Countries”.
- 5) Datt, and Sundaram, K.P.M.(2004), “Indian Economy”, S.Chand & New Delhi.
- 6) I. Satya Sundaram (2009), “Rural Development”, Himalaya Publishing House, Nagpur.

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M. A. Syllabus (NEP with effect from 2023-24)

W.E.F.2024-25 (NEP)

Course Code No.: ECODM-402	No. of Credits:04	Semester: IV
Course Title:	PUBLIC FINANCE	
Course Objectives:		
<ol style="list-style-type: none"> 1. Preparing students to learn the principles and practice of fiscal federalism 2. Explaining the role of finance commission of India 3. Enabling students to analyze tax reforms in India 		
Unit	Course Content	Periods
I	Fiscal Federalism in India: Constitutional Provisions with regard to taxation and Public Expenditure in India Centre- State Financial relations in India Fiscal Decentralization- 73 rd and 74 th amendments Implications of recommendations of Finance Commission. State level fiscal reforms in India.	15
II	Fiscal Policy in India: Trends and developments in Fiscal Policy, Recent experience with fiscal consolidation efforts of Union Government and State Governments. Fiscal Responsibility and Budget Management Act: An Evaluation Trends in deficit finance and its macro- Economic implications	15
III	Tax Reforms in India: International best practices in taxation Critical evaluation of the Indian Tax System Practical Issues in Tax Reforms in India An introduction to MODVAT, CENVAT and Goods and Services Tax (GST), Issues in the Taxation of services in India State level tax reforms in India.	15
IV	Public Finance in India's context Fiscal Federalism in India and the role of Finance Commission of India Tax Reforms in India Public sector pricing, Public expenditure management and control.	15
Course Outcome: After completion of the course students should be able to-----		
<ol style="list-style-type: none"> 1. relate the principles and practice of fiscal federalism in India 2. appraise the role of finance commission of India 3. illustrate tax reforms in India at the level of Union government in particular and at the level of state governments in general 		

Basic Reading List:

- 1) Musgrave R.A. (1959), The Theory of Public Finance, McGraw Hill, Kogkusha, Tokyo
- 2) Musgrave R.A. and P.B. Musgrave (1976) , Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo
- 3) Buchanan J.M. (1970), the Public Finances, Richard D. Irwin, Homewood, Illinois.
- 4) Rao Rakshit (Ed.) 2011, Public Economics: Theory and Policy, Sage, NIPFP, New Delhi
- 5) Davie and Duncombe (1972), Public Finance, Rinehart and Winston, Inc New York.
- 6) Myles Gareth (1995), Public Economics, Cambridge University Press.
- 7) Auerbach, A. and M. Feldstein (1987), Handbook of public Economics, Vol. 1 and 2, North Holland, Amsterdam.
- 8) Johansen Leif (1965), Public Economics, North-Holland Publishing Company, Amsterdam.
- 9) Laffont, Jean- Jacques (1994), Fundamentals of Public Economics, MIT Press Cambridge, Mass.
- 10) Rosen, Harvey S. (1995), Public Finance 4th Edition, Richard D. Irwin, Chicago.
- 11) Thompson. F and Green, M.T. (1998), Handbook of Public Finance, Marcle Dekker, New York.
- 12) Chelliah Raja J. (1971), Fiscal Policy in underdeveloped Countries, George Allen and Unwin, London.
- 13) Oates, Wallace (1999), An Essay on Fiscal Federalism, Journal of Economic Literature, Vol.XXXVII.
- 14) Gulati I.S. (1987), Centre-state Budgetary Transfers, Sameeksha Trust.
- 15) Mundle S. (1997), Public Finance Policy Issues for India, Oxford University Press, New Delhi.

W.E.F.2024-25 (NEP)

Course Code No.: ECODM-403	No. of Credits: 04	Semester: IV
Course Title:	ECONOMETRICS METHODS AND APPLICAITONS	
Course Objectives:		
<p>The objective of this course is to operationalize empirically economic theory and test economic theory allowing time-lags. Its objective is also to predict future movements in the economic variable of interest on the basis of recent forecasting techniques.</p>		
Unit	Course Content	Periods
I	Dummy Variables: ANOVA and ANCOVA models, interactions involving dummy variables and use of dummy variables in seasonal analysis, Piece wise linear regression analysis, the dummy variable alternative to Chow test.	20
II	Lagged Variables and Distributed – Lag Models: Koyck model, partial adjustment model, adaptive expectations model, Almon lag approach.	10
III	Simultaneous Equation Models: Examples, simultaneous equation bias, structural form and reduced form, problem of identification: Rules for identification, Estimation of simultaneous – equation models - Indirect least squares, Two-Stage least squares.	20
IV	Introduction to Time Series Analysis: Stationarity, Stationary and nonstationary process, Tests of stationarity, unit root, spurious regression, Random Walk Model, Integrated Series, ARIMA (Box-Jenkins) Methodology of forecasting.	10
Course Outcome:- After completion of the course students should be able to----		
<ol style="list-style-type: none"> Operationalize empirically economic theory and test economic theory allowing time lags. Judge future movement in the economic variable of interest on the basis of recent forecasting techniques. 		

Suggested Readings :

- Griffiths, Hill and Judge. (1993), Learning and Practicing Econometrics, Wiley, New York.
- Lewis-Beck, Michael S. (1993), Regression Analysis (Hand Book of Quantitative Application for Social Science Volume 2, SAGE Publications Inc., 1:68).
- Johnston and Dinardo (1997), Econometric Methods, 4th Edition McGraw-Hill International Edition.
- Krishna, K. L. (1997), Econometric Application in India, Oxford University Press, Delhi.
- Pindyck & Rubinfeld (1997), Econometrics Models & Economic Forecast, 4th edition, McGraw-Hill / Irwin
- Studenmund, A. H. (2005), Using Econometrics: A Practical Guide, Addison Wesley Publishing Company, Boston.
- Goldberger, S. (1998), Introductory Econometrics, Harvard University Press.
- Gujarati, Damodar (2003), Basic Econometrics, 4th Edition, Tata McGraw-Hill Publishing Company, New Delhi.
- Madala (2001), Introduction to Econometrics, John Wiley & Sons.
- Koutsoyiannis, A. (2006), Theory of Econometrics, St Martin's Press.
- Green, William H. (2007), Econometric Analysis, Prentice Hall.
- Wooldridge J. (2009), Introductory Econometrics: A Modern Approach, South-Western College Pub.
- Judge, G. G. et al., Introduction to the theory and Practice of econometrics, 2nd Edition John Wiley and Sons.

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Course Code No.: ECODM-204	No. of Credits: 04	Semester: III
Course Title:	RESEARCH PROJECT	
Course Objectives:		
<ol style="list-style-type: none"> 1. To understand the skill requirement of employee. 2. To aware challenges and opportunity for job. 3. To train the student to solve the social and economic issues in society. 4. To nurture students personality to face the issues in changing scenario. 		
Unit	Course Content	Periods
I	Student can complete field work and submit research project related to his / her major subject. Student can select any topic in concern with his supervisor.	60
Course Outcome: After completion of the course students should be able to-----		
<ol style="list-style-type: none"> 1) The nature and requirements of employment. 2) Become aware of skills for job. 3) Start business. 4) Familiar with employment issues in society. 5) Find out solution for social or economic issues in society. 		

W.E.F.2024-25 (NEP)

Course Code No.: ECODE-403		No. of Credits:04	Semester: IV
Course Title:		INTERNATIONAL MONETARY ECONOMICS	
Course Objectives:			
<ol style="list-style-type: none"> 1. Providing critical insight into issues related to international movement of capital and international banking. 2. Enabling students to comprehend political economy of the evolution of international monetary order 			
Unit	Course Content		Periods
I	International monetary order The rise and fall of international monetary order, the Bretton Woods conference- IMF - world bank model of liberalization, GATT and WTO, IMF and India, India and WTO requirements -TRIMS, TRIPS, domestic measures and rounds of WTO, G20 economic agenda and its impact on India		15
II	Regional trade agreements The European economic integration and Eurozone crisis: causes and impact - the crisis in Greece and Cyprus , Brexit and its implications - SAARC, ASEAN and India		15
III	Exchange rate Devaluation, depreciation and convertibility of currency on capital account - India's policy on convertibility: Tarapore committee I and II - Risks of convertibility, long-term and short-term capital movements , South Asian Currency Crisis and its lessons		15
IV	Need for a new monetary order Global fiscal commons, regulation of foreign banks, and NBFI's, the global fiscal commons and sovereign fiscal space, tax avoidance in fiscal commons, the emergence of tax havens, efficient international taxation, challenge of crypto currency		15
Learning outcome: After completion of the course students should be able to-----			
<ol style="list-style-type: none"> 1. recognize monetary aspects of international transactions 2. discover issues related to international capital movement and about the international monetary order 3. recognize the political economy of regional trade agreements 4. extract issues related to international movement of capital and international banking 5. interpret the evolution of the international monetary order 			

Basic Reading List:

- 1) Ramsaran Ramesh (1998), An Introduction to International Money and Finance Palgrave 1st Edition, Macmillan
- 2) Stern R. M. (2007), Balance of Payments: Theory and Economic Policy, Aldine Transaction.
- 3) Apte P. G. (2003), "International Finance: A Business Perspective", Tata McGraw Hill, New Delhi.
- 4) Heller H. R. (1974), International Monetary Economics, Prentice-Hall, Englewood Cliffs, NJ
- 5) Chacholiades, M (1990), "International Trade; Theory and Policy", McGraw Hill, Kogakusha, Japan.
- 6) McCallum Bennett T. (1996), International Monetary Economics, Oxford University Press, New York.
- 7) Kernin and Officer (1981), The Monetary Approach to the Balance of Payments: A Survey, The Review of Economics and Statistic, The MIT Press, VOL. 63, No. 1, February, pp. 29-34
- 8) Kenen, P.B. (1994), the International Economy, Cambridge University Press, London.
- 9) Mukherjee Smriti, Capital Account Liberalization & Flexible Exchange Rate
- 10) Salvatore, D. (1997), "International Economics", Prentice Hall, Upper Saddle River, N.J., New York.

Additional Readings:

- 1) Agarwal Ramgopal (2003), Towards A Multipolar World of International Finance, Dr. S. N. Memorial Lecture, the 86th Conference of the Indian Economic Association, Shivaji University, Kolhapur.
- 2) Bhagwati Jagdish (1998), The Capital Myth, Foreign Affairs 77, May-June
- 3) Cassel Gustav (1921), The World's Monetary Problems (London: Constable), pp. 28; quoted in Frankel and Johnson(Eds), The Economics of Exchange Rates (Reading, Mass: Addison-Wesley, 1978).
- 4) IMF (2000), Capital Controls: Country Experiences with their use and liberalization, Washington DC
- 5) Manohar Rao M. J. (1997), Macro Economics of Capital Account Convertibility, Economic and Political Weekly, Dec. 20-26
- 6) Rangrajan C. (2000), Capital Flows: Another Look, Economic and Political Weekly, December 9

M.A. (Economics) SYLLABUS

Course Code No.: ECODE-403	No. of Credits: 04	Semester: IV
Course Title:	FINANCIAL MARKETS	
Course Objectives:		
<p>The course introduces topics such as the structural organization of financial market, and the role they play in economy, Structure of Money and Capital markets. Regulatory policies of RBI and SEBI.</p>		
Unit	Course Content	Periods
I	Meaning and types of financial instruments, Structure & role of financial market, financial development & economic development, Equilibrium of financial markets.	15
II	Meaning & functions of money market, structure of Indian money market, call money market, treasury bills market, commercial bills market, commercial papers & certificates of deposits, repos & reverse repos, recent development in money market.	15
III	Meaning & importance of capital market, structure of Indian capital market, new issue market, stock markets, stock market indices – Sensex, Nifty and foreign indices, regulation of stock exchange and role of SEBI.	15
IV	Meaning of financial services, Mutual fund, Housing finance, Depository, Securitization, Derivatives agreements, Financial sector reforms in India.	15
Course Outcomes: After completion of the course students should be able to-----		
<ul style="list-style-type: none"> • Correlate the financial & economic development. • Describe the structure and functions of money & capital markets. • Analyze the functioning of stock market. • Explain the concepts of various financial services. 		

Suggested Readings:

1. Avdhani V.A. (2008), "Investment and Securities Markets in India", Himalaya Publishing House, Mumbai.
2. Bhasin Niti (2007), "Banking and Financial Markets in India (1947 to 2007)", New Century Publications, New Delhi.
3. Bhole L.M. (2009), "Financial Institutions and Markets", Tata McGraw Hill, New Delhi.
4. Desai, Vasant (2009), "Financial Markets and Financial Services", Himalaya Publishing House, Mumbai.
5. Goldsmith, R.W. (1969), "Financial Structure and Development".
6. Hanson, J.A. and S. Kathuria (1999), "India : A Financial Sector for the Twenty-first century", Oxford University Press, New Delhi.
7. Harker, P.T. and S.A. Zenios (2000) Ed., "Performance of Financial Institutions", Cambridge University Press, Cambridge.
8. Johnson, H.J. (1993), "Financial Institutions and Markets", McGraw Hill, New Delhi.
9. Khan, M.Y. (1996), "Indian Financial System", Tata McGraw Hill, New Delhi.
10. Machiraju, M.R. (1999), "Indian Financial Systems", Vikas Publishing House, New Delhi.
11. Prasad, K.N. (2001), "Development of India's Financial System", Sarup and Sons, New Delhi.
12. Reserve Bank of India, "Functions and Working" (4th Edition), 1983.
13. "Report of the Committee on the Financial System" (Narasimhan Committee), 1991, R.B.I. Bombay.
14. Singh S.K. (2009), "Bank Regulation", Discovery Publishing House, New Delhi.

Additional Readings:

1. Avadhani V.A. (2008), "International Finance: Theory and Practice", Himalaya Publishing House, Mumbai.
2. Desai, Vasant (2008), "Fundamentals of the Indian Financial System", Himalaya Publishing House, Mumbai.
3. Gupta P.K. (2008), "Insurance and Risk Management", Himalaya Publishing House, Mumbai.
4. Mithani D.M. (2004), "Money and Financial System", Himalaya Publishing House, Mumbai.
5. Natrajan & Gordon (2008), "Financial Markets & Services", Himalaya Publishing House, Mumbai.
6. Reddy G.S. (2008), "Financial Management – Principles and Practice", Himalaya Publishing House, Mumbai.
7. Recta Mathur (2008), "Monetary Innovations", Wide Vision, Jaipur.
8. Sahoo S.C., Das S.C. (2009), "Insurance Management test and cases", Himalaya Publishing House, Mumbai.
9. Tyagi C.L., Tyagi Madhu (2007), "Insurance-Law and practice", Atlantic publisher and distributors, New Delhi.

Course Code No.:ECODE-402	No. of Credits: 04	Semester: IV
Course Title:	MATHEMATICAL PROGRAMMING	
Course Objectives:		
1. To provide practical motivation for linear programming and its applications 1. To provide mathematical programming tools for students 2. The provide students training suitable for careers in banking, industry, applied mathematics or finance in private sector. 3. Formulate real world scenarios mathematically and use computational tools to analyze them.		
Unit	Course Content	Periods
I	Linear Programming 1.1 Meaning , mathematical formulation ,basic concepts of L.P.P. (1) 1.2 Formulation of Linear Programming Problem(2) 1.3 Graphical Method (3) 1.4 Simplex Method(4) 1.5 Formulation of the dual programming problem and its interpretation(2) 1.6 Statements of basic theorems of L.P.P. and Duality(1) 1.7 Game theory and LPP.(2)	15
II	Goal Programming and Dynamic Programming 2.1 Goal programming with single Goal 2.2 Goal programming with multiple Goal & Non-Preemptive Goal Programming 2.3 Meaning ,nature, importance of dynamic programming (2) 2.4 Sequential decisions, network recursive solutions. problems (7) 2.5 Bellman's principle of optimality.(2)	15
III	Assignment Problem and 3.1 Meaning and Nature of the Problem 3.2 Methods of Solution 3.3 Computational Procedure	15
IV	Transportation Problem 4.1 Meaning and Nature of Transportation Problem 4.2 North-West Corner Method and Other Methods 4.3 Optimality Test (5)	12
Learning Outcomes: After completion of the course students should be able to---		
1. evaluate the various possibilities for optimal solutions in business decision making 2. assess systematic and unsystematic risks associated with securities and make investment decisions 3. analyze optimum transportation cost and assignment and do optimality check. 4. suggest various investment plans for risk minimization		

Readings :

1. Martin Osborne, An Introduction to Game Theory, Oxford University Press, 2003.
2. Michael Intriligator, Kenneth Arrow, Handbook of Mathematical Economics, Vol.II North-Holland.
3. Alpha C. Chiang, Fundamental Methods of Mathematical Economics, Mc Graw Hill, London
4. JOSEF KALLRATH and JOHN M. WILSON, Business Optimization Using Mathematical Programming, MACMILLAN PRESS LTD Houndmills, Basingstoke, Hampshire RG21 6XS and London
5. James K. Strayer, Linear Programming and Applications, (1989) Springer-Verlag.
6. G. B. Dantzig, Linear Programming and Extensions, (1963) Princeton University Press.
7. Samuel Karlin, Mathematical Methods and Theory in Games, Programming and Economics, vol. 1, (1959) Addison-Wesley

M.A.(Economics) SYLLABUS

Course Code No.: ECODE-404	No. of Credits: 04	Semester: IV
Course Title:	DEVELOPMENT ECONOMICS	
Course Objectives:		
The aim of this course is to familiarize students with issues concerning economic development and Policies in India. It will help students to understand the application of economic theories.		
Unit	Course Content	Periods
I	Introduction: Planning in India up to 1991 - Impact of British Colonial rule on Indian's Economy - Evolution of Plan Models and its Success - The Political Economy of Liberalization Reforms - The Impact of Liberalization.	15
II	Microeconomics of Development : Markets in Agriculture – Land:Land Ownerships and Tenancy, Land Size and Productivity, Land Reforms in India,Agricultural Tax - Labour: Labour Categories, Labour Market in ICRISAT Villages - Credit : Demand of Credit, Rural Credit Markets and its Features.	15
III	Macroeconomics of Development : Formal and Informal Urban Sector - Features of ICRISAT Villages - Population Growth and Economic Development: Demographic Transition Theory- Population Growth: Positive and Negative Effects - Broad Features of Population Growth in India & Its Regional Dimension.	15
IV	Contemporary problems of Development: Development & Environment - Concept of Sustainable Development - Poverty: Conceptual Issues, Measures – Poverty and its Empirical Observations – Rural and Urban Poverty – Poverty and Nutrition - Social and Income Inequality in India – Concept of Economic Inequality - North & South Development Inequalities in India	15
Course Outcomes Learning: After completion of the course students should be able to---		
a) Students shall have the tools to understand current policy debate and contribute to policy making informally.		
b) Know the historical experience of development and inter linkages in land, labour and credit markets.		
c) Describe issue of poverty and income inequality in developing countries.		

Suggested Readings:

- 1) Basu, Kaushik, 1998, "Analytical Development Economics", OUP, New Delhi.
- 2) Ray, Debraj (2004), "Development Economics", OUP, New Delhi.
- 3) Bardhan (1999), Political Economy of Reforms in India, New Delhi: NCAER.
- 4) Basu, K. (ed.) (2004), India's Emerging Economy, New Delhi, Delhi: OUP.
- 5) Ahluwalia, M. (2002), State-level Performance under Economic Reforms in India, in: Krueger.
- 6) Delong, Bradford (2001) (mimeo), India since Independence: An Analytic Growth Narrative, <http://www.j-bradford-delong.net>

Additional Readings:

- 1) Adelman, I (1961), "Theories of Economic Growth and Development", Stanford University Press, Stanford.
- 2) Behrman S. and T. N. Srinivasan (1995) "Handbook of Development Economics", Vol. 3 Elsevir, Amsterdam.
- 3) Brown M. (1966), "On the Theory and Measurement of Technical Change," Cambridge, University Press, Cambridge, Mass.
- 4) Chenery H.B. et. al (Eds) (1974), "Redistribution with Growth", Oxford University Press, Oxford.
- 5) Chenery H. and T.N. Srinivasan (Eds) (1989), "Handbook of Development Economics", Vols 1 & 2, Elevier, Amsterdam.
- 6) Dasgupta P. (1993), "An Enquiry into Well-being and Destitution", Clarendon Press, London,
- 7) Gill M.D.H. Perkins M. Romer and D.R. Snodgrass (1992), "Economics of Development", (3rd Edition) W.W. Norton, New York.
- 8) Gimmell n. (1987), "Surveys in Development Economics", Blackwell, Oxford.
- 9) Todaro M.P. (1996) (6th Edition) "Economic Development Longman", London.
- 10) Thirlwall A.P. (1999) (6th Edition), "Growth and Development", Macmillan, U.K.
- 11) "Human Development Reports"
- 12) Sen Amarty 1999, "Commodities and Capabilities", OUP, New Delhi.
- 13) Bardhan, P. and Chirstopher Udry 1999, "Development Microeconomics", OUP, New Delhi.
- 14) Debraj Ray, "Development Economics", Oxford, 2006.
- 15) India Inequality Report.
