DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

Circular /Acad Sec./ HF/ Curriculum-12(7)/ NEP-PG/ 2023.

It is hereby inform to all concerned that, on the recommendation of Dean, Faculty of Humanities; **the Hon'ble Vice-Chancellor has accepted the following subject wise Curriculum of National Education Policy-2020** under the faculty of Humanities in his emergency powers under Section 12 [7] of the Maharashtra Public University Act, 2016 on behalf of the Academic Council.

Sr. No.	PG Subject wise Curriculum	Semesters
01.	**M.A. First & Second Year** Progressively **[English]** for affiliated Colleges, Uni. Campus & Sub-Campus.	**Ist & IInd and IIIrd & IVth**
02.	**M.A. First & Second Year** Progressively **[Geography]** for affiliated Colleges and University Campus.	**Ist & IInd and IIIrd & IVth**
03.	**M.A. First & Second Year** Progressively **[Sociology]** for affiliated Colleges and University Campus.	**Ist & IInd and IIIrd & IVth**
04.	**M.A. First & Second Year** Progressively **[Economics]** for affiliated Colleges and University Campus.	**Ist & IInd and IIIrd & IVth**

This is effective from the Academic Year 2023-24 and Onwards progressively as 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,
Aurangabad-431 004.
Ref. No. SU/Col. & UC/NEP-20/
PG/ 2023/3692-702

Date: 03.07.2023.

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Deputy Registrar,
Academic.

Copy forwarded with compliments to:-

1] **The Head, all concerned departments ,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Sub Center, Osmanabad.

2] **The Principal, all affiliated colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

3] **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, [M.A. 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, Aurangabad.

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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

Curriculum of

M. A. First & Second Year

[Economics]

Semester-I to IV

'under National Education Policy-2020'

[Implemented at University Campus Autonomous Department]

[Effective from the Academic Year 2023-24 & Onwards Progressively]

Dr. BabasahebAmbedkarMarathwada University, Aurangabad.

Department of Economics

Illustrative Credit Distribution Structure for Two Year /One Year PG

M.A.EconomicsProgramme

Year (2Yr PG)	Level	Sem. (2 Yr)	Major: Mandatory	Major: Elective (any one)	Research Methodology	On Job Training/ Field Project	Research Project	Cum.Cr.	Degree
I	6.0	Sem: I	1)Micro Economics-I:4 2)Macro Economics-II:4 3) Mathematics for Economics:4 4) Statistics for Economics -2	1) Demography :4 2) Agricultural Economics-:4 3)Growth Economics-:4 4) International Economics:4	Research Methods in Economics :4	--	--	22	PG Diploma (after 3 year Degree)
		Sem: II	5)Micro Economics –II :4 6) Macro Economics-II :4 7) Econometrics :4 8) Statistical Methods :2	5) Rural Development :4 6)Industrial Economics :4 7) Indian Economic Thinkers :4 8)Monetary Economics :4 9) Energy Economics : 4	--	OJT/FP : 4	--	22	
Cum. Cr. For PG Diploma			28	08	4	4	--	44	
Exit Option: PG Diploma (44 Credits) after Three Year UG Degree									
II	6.5	Sem: III	9)Indian Economy : 4 10) Public Economics :4 11) Mathematical Economics:4 12) Computer Applications in Economics :2	10) Banking -4 11) Development Economics-4 12)Regional Economics -4 13)International Finance :4 14) Business Analytics : 4 15) Environmental Economics:4			RP-1: 4	22	PG Degree After 3:Year UG or PG Degree after 4:Year UG
		Sem: IV	13) Indian Economic Policy : 4 14) Federal Finance : 4 15) Econometric Methods and Application: 4	16)Theory of Firms-4 17) Mathematical Programming: 4 18) Financial Markets :4 19)Labour Economics :4 20) Gender Economics :4			RP-2: 6	22	
Cum. Cr. for 1 Yr PG Degree			26	08			10	44	
Cum. Cr. for 2 Yr PG Degree			54	16	4	4	10	88	
2 Years: 4 Sem. PG Degree (88 credits) after Three Year UG Degree or 1 Year – 2 Sem PG Degree (44 Credits) after Four Year UG Degree									
	8.0		Course Work Min. 12 (3 Courses of 4 Credits Each 4 X 3 = 12)		Training in Teaching/Education/Pedagogy : 4		Min. 16 + Ph.D. Work		Ph.D. in Subject

Professor & Head 23/6/
Department Of Economics
Dr. Babasaheb Ambedkar
Marathwada University
Aurangabad-

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

DEPARTMENT OF ECONOMICS

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

M. A. PROGRAMME

COURSE STRUCTURE

M. A. I SEMESTER

Course Code	Title of the Course
Mandatory Course (Compulsory)	
ECODM-101	Micro Economics-I
ECODM-102	Macro Economics-I
ECODM-103	Mathematics for Economics
ECODM-104	Statistics for Economics
Research Methodology	
ECODM-105	Research Methods in Economic
Bridge Course	
ECODB-106	Bridge Course in Economics
Generic Electives (select any two papers)	
ECODE-101	Demography
ECODE-102	Agricultural Economics
ECODE-103	Growth Economics
ECODE-104	International Economics
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M. A. III SEMESTER

ECODM-301	Indian Economy
ECODM-302	Public Economics
ECODM-303	Mathematical Economics
ECODM-304	Computer Applications in Economics
Research Project	
ECODM-305	Research Project
Generic Electives (select any two papers)	
ECODE-301	Banking
ECODE-302	Development Economics
ECODE-303	Environmental Economics
ECODE-304	International Finance
ECODE-305	Gender Economics

M. A. II SEMESTER

Course Code	Title of the Course
Mandatory Course (Compulsory)	
ECODM- 201	Micro Economics-II
ECODM-202	Macro Economics-II
ECODM-203	Econometrics
ECODM-204	Statistical Methods
On Job Training / Field Project	
ECODM-205	On Job Training / Field Project
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--	--
Generic Electives (select any two papers)	
ECODE-201	Industrial Economics
ECODE-202	Rural Development
ECODE-203	Indian Economic Thinkers
ECODE-204	Monetary Economics
ECODE-205	Economics of Social Sector

M. A. IV SEMESTER

ECODM-401	Indian Economy Policy
ECODM-402	Public Finance
ECODM-403	Econometrics Methods and Applications
--	--
Research Project	
ECODM-405	Research Project
Generic Electives (select any two papers)	
ECODE-401	Theory of Firms
ECODE-402	Mathematical Programming
ECODE-403	Financial Markets
ECODE-404	Labour Economics
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DEPARTMENT OF ECONOMICS

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

DETAILS OF COURSE STRUCTURE (2023-24)

M. A. Economics (NEP) I Year (Semester-I)

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM-101	Micro Economics-I	4	20	80	100
ECODM-102	Macro Economics-I	4	20	80	100
ECODM-103	Mathematics for Economics	4	20	80	100
ECODM-104	Statistics for Economics	2	10	40	50
Research Methodology					
ECODM-105	Research Methods in Economic	4	20	80	100
Bridge Course					
ECODB-106	Bridge Couirse in Economic	4	20	80	100
Generic Electives (Select any two papers)					
ECODE-101	Demography	4	20	80	100
ECODE-102	Agricultural Economics	4	20	80	100
ECODE-103	Growth Economics	4	20	80	100
ECODE-104	International Economics	4	20	80	100
	Total Credits	**22**			

DETAILS OF COURSE STRUCTURE (2023-24)

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

Course Code	Title of the Paper	Credits	Marks		
			Continuous assessment (Internal)	Semester End Examination (External)	Total
Mandatory Courses (Compulsory)					
ECODM- 201	Micro Economics-II	4	20	80	100
ECODM-202	Macro Economics-II	4	20	80	100
ECODM-203	Econometrics	4	20	80	100
ECODM-204	Statistical Methods	2	10	40	50
On Job Training / Field Project					
ECODM-206	On Job Training / Field Project	4	--	--	100
Generic Electives (Select any two papers)					
ECODE-201	Industrial Economics	4	20	80	100
ECODE-202	Rural Development	4	20	80	100
ECODE-203	Indian Economic Thinkers	4	20	80	100
ECODE-204	Monetary Economics	4	20	80	100
ECODE-205	Economics of Social Sector	4	20	80	100
	Total	**22**			

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD
DEPARTMENT OF ECONOMICS
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 Economy	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 two papers)					
ECODE-301	Banking	4	20	80	100
ECODE-302	Development Economics	4	20	80	100
ECODE-303	Environmental Economics	4	20	80	100
ECODE-304	International Finance	4	20	80	100
ECODE-305	Gender 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	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	--	--	150
Generic Electives (Select any two papers)					
ECODE-401	Theory of Firms	4	20	80	100
ECODE-402	Mathematical Programming	4	20	80	100
ECODE-403	Financial Markets	4	20	80	100
ECODE-404	Labour Economics	4	20	80	100
	Total	**22**			

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DEPARTMENT OF ECONOMICS

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

Course Code No.: ECODM-101	No. of Credits: 04	Semester: I
Course Title:	**MICRO ECONOMICS - I**	

Course Objectives:

1) To develop an understanding of the basic principles of microeconomics
2) To enable students to understand and analyze the behavior of firms and consumers in different market structures, how prices are determined in different market structures.
3) To prepare students for further courses which require a knowledge of Micro Economics.

Unit	Course Content	Periods
I	**Consumer Behaviour** : Cardinal And Ordinal Utility Approach Revealed Preference Hypothesis Concept of Elasticity - Price, Income & Cross Elasticity. The Neuman Morgenstern Method – The Friedman - Savage Hypothesis	20
II	**Theories of Production And Costs:** 2.1 Production Function: Production with one variable ,Production with two variable inputs: Isoquents Cobb – Douglas production function CES production function & their properties Translog Production Function 2.2 Cost concepts Short run and long run cost curves The traditional theory of cost – The envelope curve The modern theory of cost – The 'L' shaped curve	15
III	**Behavior of Firm:** Perfect competition-Monopoly- Price discrimination-Monopolistic competition-Oligopoly – Price leadership- Cournot's model— Kinked demand curve .	15
IV	**Game Theory: (Basic Introduction)**- Description of a game, Normal form representation of game, Extensive form representation of game, Solution concepts—Nash Equilibrium, Mixed strategies, Repeated games, Sequential games, Refinement: Sub-game perfection- Two person Zero Sum Game- Prisoners Dilemna	10

Course Outcome: -

Student will able and understand that how prices are determined in different market structure & how factor prices and limits prices are determined. They will also able to know about the various views related to welfare.

Suggested Readings:

1. Varian Hal R. (2000) Micro Economic Analysis, W. W. Norton, New York.
2. Jehle G. A. & Reny P. J. (2008) Advanced Microeconomic Theory, Prentice Hall.
3. Kreps David (1992) A Course in Microeconomic Theory, Estern Economy Edition, Prentice Hall fo India.
4. Koutosoyiannis, A: Modern Micro Economics, Macmillan Press, London
5. Sen A (1999) Microeconomics: Theory & Applications, Oxford University Press, Princetore.
6. Ahuja H. L. Advanced Economic Theory, S. Chand & Company, Delhi.
7. M. Maria John Kennedy: Advanced Mocroeconomic Theory, Himalaya Publishing House, Delhi.
8. D. Bose, A. Marimuthu: An Introduciton to Microeconomics, Himalaya Publishing House, Delhi.
9. Baumol, W. J. (2000) : Economic Theory and Operation's Analysis, Prentice Hall of India Pvt. Ltd., New Delhi.
10. Stigler, G. J. : Theory of Price, Prentice Hall of India Pvt. Ltd., New Delhi.
11. Little, I.M.D.: Critique of welfare Economics, Oxford University, Press. London.
12. Katz, M. L and Rosen H. S. : Micro Economics, McGraw – Hill.
13. Eaton, B. Curtis, D. F. Eaton and D. W. Allen: Micro Economics (Toronto: Prentice Hall / Pearson) Fifth edition.
14. Estrin, S. and D. Laidler: Micro Economics (Pearson, 2008).

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

Course Code No.: ECODM-102	No. of Credits: 04	Semester: I
Course Title:	MACRO ECONOMICS - I	

Course Objectives:
Macroeconomics I effectively purports to a bridge to the Macroeconomics – II course.
It develops the subject from consumption, investment analysis to income determination using IS-LM analysis.

Unit	Course Content	Periods
I	**Introduction:** Meaning of Macroeconomics and it's distinguishing features - GDP and it's Measurements - nominal and real GDP - aggregate income and expenditure - International transaction and GDP.	15
II	**Determination of National Income :** Classical theory of income determination, Keynes model of National income determination, IS-LM analysis, Phillips curve, Friedman – Phelps amendment.	15
III	**Theories of Consumption and Investment:** Keynes and the consumption function, Keynes Multiplier, The Absolute income Hypothesis, Relative income hypothesis, the Permanent income hypothesis - The investment function, MEC, The Accelerator theory of investment, The Internal Funds theory of investment, Neoclassical theory of investment.	15
IV	**Supply of Money and Demand for Money:** Money and its functions, Concept of Money supply, Measures of money supply, High powered money, Money multiplier; controls on money supply. Classical Quality Theory of Money: Fisher's transaction approach, Cambridge Cash Balance Approach, Keynes theory of demand for money –Modern theories of demand for money by Baumol, Tobin and Friedman.	15

Learning outcome:

Upon successful completion of the course, students will be able to

a) Understand how equilibrium income is attained
b) Understand how consumption is determined by the various factors
c) Know relationship between the income and investment and vice-versa
d) Know controls of money supply and determinants of demand for money.

Suggested Readings:

1) Macro Economics, Rudiger Dorbusch & Stantey Fischer, McGraw Hill, International Editions, 2006.
2) Maykiw N. Gregom, Macroeconomics, Worth Publishers, 2003.
3) Errol D'sovza, Macroeconomics, Pearson, 2008.
4) Barro, Robert J. and Sala-i-Martin, Xavier Economic Growth , Second Edition, Prentice Hall, India, 2014
5) Balanchard, Olivier Jean and Fischer, Stanley Lectures on Macroeconomics, 2000, Prentice Hall, India.
6) Romer, David (DR), Advanced Macroeconomics, Second Edition, McGraw-Hill, International Edition (Economics Series), 2001.
7) Wickens, Michael (MW), Macroeconomic Theory: A Dynamic General Equilibrium Approach, 2008, Princeton University Press, Princeton and Oxford.
8) Lance Thylor, Reconstruction Macroeconomics, Hayward University Press, Cambridge, 2004.
9) Ben J. Heijdra and Frederick Van DP Foundation of Modern Macroeconomics, Oxford.
10) Gupta S. B., Monetavy Economics, Institutions, Theory and Policy, S. Chand & Company Ltd., New Delhi.
11) Rudiger Dornbusch, Stanley Fisher, Macroeconomics, Tata Mc Graw– Hill Publishing Co. Ltd., New Delhi.
12) Branson, W H, Macroeconomics - Theory and Policy, Harper and Row, New York
13) David Romer, Advanced Macroeconomics, McGraw –Hill International Edition.
14) Ben J.Heijdra and Fredirik Van Der Ploeg, Foundations of Modern Macroeconomics, Oxford University Press.
15) Edgmand M R, Macroeconomics - Theory and Policy, PHI Publication, New Delhi.
16) Mcconnel C R and H C Gupta, Introduction to Macroeconomics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi.
17) Turnovsky S J, Macroeconomic Analysis and Stabilization Policy, Cambridge University Press.
18) Oliver Jean Blanchard and Stanley Fisher, Lectures on Macroeconomics, PHI Pvt. Ltd., New Delhi.
19) Lane Taylor, Reconstructing Macroeconomics, Harvard University Press, Cambridge.
20) D'souza Errol, Macroeconomics. Pearson Education, Delhi.
21) Harris, Monetary Economics, OUP.
22) Edgmand Michael, Macro – Economics: Theory and Policy, Prentic – Hall International.

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Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

DEPARTMENT OF ECONOMICS

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

Course Code No.: ECODM-103	No. of Credits:04	Semester: I
Course Title:	MATHEMATICS FOR ECONOMICS	

Course Objectives:

1. To develop logical reasoning with mathematical techniques for economic analysis.
2. To build capacity of students for applying different mathematical tools.
3. To train the students to use the techniques of mathematical analysis, which are commonly applied to understand and analyze economic problems.
4. To provide mathematical techniques for scientific study of other branches in economics.

Unit	Course Content	Periods
I	**Preliminaries:** A review of some basics mathematical concepts and operations; variables, constants, parameters, equations, and identities; number system; sets and functions; relations and their proper ties; types of functions; functions of more than one variables; Limit and continuity of the function.	10
II	**Differentiation:** Limit and continuity of the function .Rules of limit. Simple differentiation : Basic principle, Laws of differentiation , principals of maxima, minima evaluation of the functions applications in economic analysis Partial differentiation: Meaning, rules, examples applications in economics. Total differentiation: meaning , examples applications in economics	20
III	**Integration;** Rules of Integration; Taylor Series Formula, Application to Consumer's Surplus and Producer's Surplus; Growth Rates and Simple Properties of Time Path of Continuous Variables, introduction to differential equations and difference equations.	15
IV	**Matrix and Determinant :** vectors , matrix:- order, rank, Types of matrices, laws of matrices, algebra of matrices, inverse matrix Cramer's rule, and Eigen vectors, determinants , properties of determinants, Applications of matrices in economics, Input-Output .	15
	Learning outcomes: The students shall get 1. Knowledge regarding effective role mathematical concepts in economic analysis. 2. An idea of differentiation for optimization of the functions. 3. Knowledge of integration for consumer and producer behavior analysis.	

Reading

1. Aggarwal B.M.(2010) ,Business Mathematics & Statistics, Ane Books Pvt. Ltd, New Delhi
2. Agrwal H.S;(1976) , Introduction to Econometric, Lakshimi Narayan Publishing House , Agra
3. Allen, R. G. D. (1974), Mathematical Analysis for Economists, Macmillan Press and ELBS, London.
4. Ann J. Hughes ,Dennis E. Grawiog-Linear Programming : An Emphasis on Decision Making, Addison-Wesley Publishing Company, Inc, London, 1973
5. Baumol, W. J. (1984), Economic Theory and Operations Analysis, Prentice Hall, Englewood Cliffs, New Jersey.
6. Baumol, W.J. (1977). *Economic Theory and Operations Analysis,* Prentice Hall.
7. Bhose D.(2007) , Mathematical Economics, Himalaya Publishing House, Nagpur,
8. Chiang, A. C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
9. Dowling E.T; *Introduction to Mathematical Economics (2ndEdition),(Schaum's Outline Series of Theory and Problems)*, McGraw-Hill, USA, 1992
10. Henderson & Qudant, Micro Economic Theory –a mathematical approach , Mc. Grow Hill Book Company , New York.
11. I.N. Bronshtein, K.A. Semendyayev, G. Musiol, H. Muehlig-Handbook of Mathematics ,Springer, New York, 4th Edition.
12. James H. Fife-Calculus :For Business And economics , Macmillan Publishing Co., New York.
13. Mehta & Madnani (1992). *Mathematics for Economists*, S. Chand, New Delhi
14. Monga G.S.(199), Mathematics & Statistics For Economics, Vikas Publishing House Pvt. Ltd. New Delhi.
15. P.N.Mishra,(2003) ,Quantitative Techniques for Managers, Excel Books Private Limited, New Delhi
16. Yamane, Taro (1975), Mathematics for Economists, Prentice Hall of India, New Delhi.

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

Course Code No.: ECODM-104	**No. of Credits: 02**	**Semester : I**
Course Title:	**STATISTICS FOR ECONOMICS**	

Course Objectives:

1. To develop the students ability to deal with numerical and quantitative issues in Economics
2. To enable the use of statistical, graphical and algebraic techniques wherever relevant for effective economic interpretation.
3. To development thinking for establish relations between the economic and social factors.
4. Increased use of quantitative and mathematical tools in research activities.

Unit	Course Content	Periods
I	**Measures of central tendency and Dispersions:** 1.1 Statistics: meaning, nature, scope and limitations. 1.2 Frequency Distribution- meaning and types ,conversion of inclusive to exclusive series. 1.3 Measures of central tendency: prerequisite of ideal measure of central tenancy Determination of arithmetic mean, geometric mean, media and mode. 1.4 Merits and demerits of measures of central tendency .selection of appropriate measure. 1.5 Measures of Dispersions : Properties of good measures of dispersions, range standard deviation, variance ,coefficient of variation. 1.6 Determination and presentation with computer.	15
II	**Correlation Analysis** 2.1 Meaning and kinds of Correlation. 2.2 Simple Correlation Analysis; Pearson's Product Moment Method & Spearman's Rank Correlation Coefficient , concurrent method determination and uses. 2.3 Partial and Multiple Correlation Analysis determination and uses. 2.4 Properties of Correlation Coefficient. 2.5 Determination and presentation with computer.	15
	Learning output By completing this course the students will learn 1.knowledge of Statistics and its scope and importance in various areas. 2.knowledge of various types of data, their organization and evaluation of summary measures such as measures of central tendency and dispersion etc. 3.Skills of analysis of various concepts in economics with statistical tools for accuracy.	

Suggested Readings

1. Gupta S.P(1988) –Statistical Methods- Sultan Chand & Sons , Delhi.
2. Gupta, S. C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
3. Hogg, R. V. and A. T. Craig (1970), Introduction to Mathematical Statistics (3rd Edition), Macmillan Publishing Co., New York.
4. Millar, J. (1996), Statistics for Advanced Level, Cambridge University Press, Cambridge

Additional Reading

1. Bez, K. (1983). *An Introduction to Input Output Techniques*, N.B.T., Goel Publishing House, Meerut.
2. Chou, Y. (1975), Statistical Analysis, Holt, Reinhart and Winston, New York.
3. Croxton, Crowden and Klein (1971), Applied General Statistics, Prentice Hall of India, New Delhi.
4. Croxton and Cowden (1973) Applied General Statistics (New Delhi: Prentice Hall of India).
5. Clarence E. Tuites –Basics Mathematics for Technical Courses, Prentice –Hall , Inc.1960
6. Goon, A. M., M. K. Gupta and B. Dasgupta (1993), Fundamentals of Statistics, Vol. 1, The World Press Ltd., Calcutta.
7. Hogg, R. V. and A. T. Craig (1970), Introduction to Mathematical Statistics (3rd Edition), Macmillan Publishing Co., New York.
8. Mathur, P.N. and R. Bhardwaj (eds.) (1967). *Economic Analysis in Input-Output Research*. Input-Output Research Association of India, Pune.
9. Miller, R.K. (1995) Introduction to Statistics for Business and Economics (St. Martin Bros. New York).
10.Monga, G. S. 91972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi
11. Nagar, A. L. and R. K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
12.Rao, C.R. (1965). *Linear Statistical Inference and Applications*, Wiley and Sons.
13. Salvatore D., Theories and Problems of Statistics and Econometrics, McGraw-Hill, 1982,
14.Sukhatme, P. V. and B. V. Sukhatme (1970), Sampling Theory of Survey with Applications, Lowa State University
15 Wallis, W.A. (1956). *Statistics - A New Approach*, The Free Press, Illinnois.

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

DEPARTMENT OF ECONOMICS

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

Course Code No.: ECODM-105	No. of Credits: 04	Semester: - I
Course Title:	**RESEARCH METHODS IN ECONOMICS**	

Course Objectives:
1. Understand hour to proceed with academic research.
2. Become a god researcher
3. Do advanced data analysis.

Unit	Course Content	Periods
I	**Introduction to Research Methodology:** **1.1 Philosophy Of Research:**Characteristics Of Scientific Methodology,Qualities Of A Good Researcher ,Rule Of Academic Research,Research Process ,Types of Research ,Research Design ,Grammar, Punctuation And Convention Of Writing , How To Use Dictionaries,Literature Review, Books And Paper Review **1.2 Numerical Measures**: Measures of Location; Measures of Variability; Measures of Distribution Shape, Relative Location and Detecting Outliers; Exploratory Data Analysis; Measures of Association Between Two Variables;Weighted Mean; Grouped Data	15
II	**Sampling Design :** **2.1** Types Of Data Survey, **2.2** Criterion Of Good Sample, **2.3** Types Of Sampling Design: Probability Sampling , Non Probability Sampling And Mixed Sampling **2.4**Methods Of Data Collection	15
III	**Data Analysis** **3.1** Index Number: Karl Person and Brawley measures index number - types uses problems in its construction, Weighted indices: Lasapeyers, Paasche Fisher **3.2** Test of Hypothesis: Hypothesis Tests: Developing Null and Alternative Hypotheses; Type I and Type II Errors, Inference About Means and Proportions withTwo Populations: Inferences About the Difference Between Two Population Means: $\sigma1$ and $\sigma2$ Known , Inferences About the Difference Between Two Population Means: $\sigma1$ and $\sigma2$ Unknown ,Parametric And Non-Parametric Test.	20
IV	**Interpretation And Report Writing:** **4.1** Writing A Research Report **4.2** Referencing Styles In Research **4.3**Writing A Bibliography	10

Course Outcome :
- Students will be able to develop their research ability.
- Students will be familiar with theanalysis and interpretation of data

References:

1. Kothari C. R. (1988) Research Methodology Method and Techniques, Wiley Eastern Limited, New Delhi.
2. Krishnaswamy, O. R. Methodology of Research in Social Sciences, Himaliya Publishing House, 1993
3. Wilkinson and Bhandarkar, Methodology and Techniques of Social Research, Himalaya Publishing House.
4. Kothari C. R., Research Methodology Method and Techniques, New Age International Publishers, IInd Revised Edition, Reprint 2008.
5. Les Oakshott Essential Quantitative Methods for Business Mangemetn and Finance, Palgrave.
6. Cooper D. and Schindler P. Business Research Methods, Tata McGraw Hill, Sultan Chand and Sons.
7. Don E. Ehridge, Research Methodology in Applied Economics: Organizing Planning and Conducting Economic Research, John Wiley and Sons, April 2004.
8. Gopal M. H., An Introduction to Research Procedure in Social Sciences, Asia.
9. Young P. V., Scientific Social Survey and Research, Prentice Hall of India Ltd., New Delhi, 1984.
10. Paul Oliver (2008), Writing your thesis, Sage Publications, New Delhi.
11. Pal and Suri (2015), English Grammar and Composition, S Chand and Sons, New, Delhi
12. Kothari R C (2008), Research Methodology, New Age International Publishers
13. Young P V (1984), Scientific Social Survey and research, Prentice Hall, New Delhi

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

DEPARTMENT OF ECONOMICS

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

<table>
<tr><td>Course Code No.: ECODB-106</td><td colspan="2">No. of Credits: 04</td><td>Semester: - I</td></tr>
<tr><td>Course Title:</td><td colspan="3">BRIDGE COURSE IN ECONOMICS</td></tr>
<tr><td colspan="4">Course Objectives:
To enable students to understand definition, meaning, importance, scope and basic concepts and theories of economics.</td></tr>
<tr><td>Unit</td><td colspan="2">Course Content</td><td>Periods</td></tr>
<tr><td>I</td><td colspan="2">Introduction and Basic Concepts
Meaning of Economics, Definition & Scope, Consumer behavior, Demand, Supply, Production and Cost, Market Equilibrium, Market Forms – Monopoly, Monopolistic competition, Oligopoly, perfect competition and Welfare economics.</td><td>15</td></tr>
<tr><td>II</td><td colspan="2">Introduction of Macroeconomics
Some basic concepts: Classical and Keynesian Economics, investment and consumption functions, Circular flow of income; Concept of NI, MEC, Multiplier</td><td>15</td></tr>
<tr><td>III</td><td colspan="2">Money Banking and International Trade
Money - its meaning and functions, Supply of money - Banking system, RBI and its functions, International Trade – GAAT, WTO, Nature and Concept of Balance of Payments, balance of payments deficit-meaning, Foreign exchange rate - meaning of fixed and flexible rates and managed floating.</td><td>15</td></tr>
<tr><td>IV</td><td colspan="2">Indian Economy
Features of Indian economy, Demographic Conditions – Occupational Structure –The Goals of Five Year Plans – Agriculture – Industry And Trade – Trade Policy: Import Substitution, Economic Reforms, Liberalization, Privatization and Globalization : An Appraisal – Background –Indian Economy During Reforms, Current Challenges Facing the Indian Economy, Taxes in India – Direct & Indirect Taxes, VAT, GST, LBT., Government budget - meaning, objectives and components,</td><td>15</td></tr>
<tr><td colspan="4">Course Outcome :
• Student will be well prepared with the knowledge of basic concept in Economics.
• Student will be able to grasp the various course designed for the M.A Economics program .</td></tr>
</table>

Suggested Readings

1. Ahuja H. L. AdvancedEconomic Theory, S. Chand & Company, Delhi.
2. D. Bose, A. Marimuthu: An Introduciton to Microeconomics, Himalaya Publishing House, Delhi.
3. Baumol, W. J. (2000) : Economic Theory and Operation's Analysis, Prentice Hall of India Pvt. Ltd., New Delhi.
4. Macro Economics, Rudiger Dorbusch & Stantey Fischer, McGraw Hill, International Editions, 2006.
5. Maykiw N. Gregom, Macroeconomics, Worth Publishers, 2003.
6. Gupta S. B., Monetavy Economics, Institutions, Theory and Policy, S. Chand & Company Ltd., New Delhi.
7. Datta R. (Ed.) (2010) Second Generation Economic Reforms in India, Deep and Deep Publications, New Delhi.
8. Mishra & Puri – Indian Economy, Himalaya Publishing House, New Delhi.
9. Datt, and Sundaram, K.P.M.(2014), "Indian Economy", S.Chand & New Delhi.
10. Bhole, L.M. (2009), "Financial Institutions and Markets", Tata McGraw Hill Company Ltd., New Delhi.
11. Prasad, K.N. (2001),"Development of India's Financial System", Sarup and Sons, New Delhi.
12. Desai, Vasant (2008), "Fundamentals of the Indian Financial System", Himalaya Publishing House, Mumbai.

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

Course Code No.: ECODE-101	**No. of Credits: 04**	**Semester: I**
Course Title:	**DEMOGRAPHY**	

Course Objectives:

After the reading, Writing and Teaching students will be able to:

1) To Know the basic concept of Demography.
2) To know introduce the student to the theory of demography,
3) To know Basic demographic techniques
4) To know main features of the demography of India.

Unit	Course Content	Periods
I	**Introduction of Demography:** Nature, Scope , limitation and importance of Demography, Environmental study and demography:- its relations with other disciples, Theories of population (Thomas Malthus, Optimum Theory, Transaction)	15
II	**Demographical Dividend in India:** Census in India 2011. Reservation Dispute of Caste wise census in India (Open ,SEBC, Nomadic tribes, Third Gender, etc), Distribution of World Population, Definition, Sources of demographic data: Census, National Family Health Survey, WSSO – Demographic Dividend in India, Opportunities of Demographic Dividend, Challenges of Demographic Dividend.	15
III	**Demographic Methods and Trends and Policy India:** Population structure, Age and sex structure, Food, Factors determining age structure, M. P. Todaro Migration Theory, Effects of Migration on age Structure, Causes of declining fertility, FMR, New population policy of India, Evaluation of Population policy in India, Population Policy And Public Distribution system in India, women Access to Nutrition, aging of population, Mortality Influencing Policy, Migration Influencing Policy, Urbanization National rural health mission.	15
IV	**Study of fertility and technique of analysis:** Specific fertility rate, total fertility, Meaning Crude, Measurement of mortality: indirect estimation; infant and perinatal mortality. Nuptiality: proportion of never-married in population, mean age at marriage, Density of population, Construction of Life Table	15

Course Outcome:

On successful completion of the course students be able to:-

1) Students will able to know concepts of demography.
2) Students will be able to know Techniques of Demographic Methods.
3) Students able to understand the introduce of Demographic Theories.
4) Express methods and relationship between Demographic concepts.

Basic Reading List:

1. Ahmad, Noina Sharma (1997), Demographic Transition, Rawat Publications, New Delhi,
2. Alfred Savvy (1974), General Theory of Population, Nethuen & Co Ltd, London.
3. Bhende & Kanitkar (1982). Principles of population Studies , Himalaya Publishing Home, Mumbai.
4. Agarwal S. N. (1972), India's Population Problem, Tata Mc Graw-Hill, Co., Bombay.
5. Mishra, B.D. (1980), An Introduction to Study of Population, South Asian Publishers, New Delhi.
6. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage Publications, New Delhi.
7. Chenery H. and T. N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam, et.
8. Choubey, P. K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
9. Coale A. J. and L. M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospects, Princeton University Press, Princeton.
10. Gulati, S. C. (1988), Fertility in India; An Econometric Study of a Metropolis, Sage, New Delhi.
11. Simon, J. L. (1992), Population and Development in Poor Countries, Princeton University Press.
12. Srinivasan, K., Basic Demographic Techniques and applications, Sage Publications, New Delhi, 1992.
13. Bhende and Kanitkar, Principles of Population Studies, Himalaya Publishing House, Delhi, 2003.
14. Sryrock, H. et. Al (1973), The Methods and Materials of Demography, US Department of Commerce, Washington D.C.

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Course Title:	AGRICULTURAL ECONOMICS

Course Objectives:

1. To Provide a detailed treatment of issues in agricultural economics to those intending to specialize in this area.
2. To aware the students with the policy issues that are relevant to Indian agricultural sector and enable them to analyze the issues, using economic concepts.
3. To understanding the issues relating to Indian agriculture and farmers welfare.

Unit	Course Content	Periods
I	**Introduction to Agricultural Economics:** Nature and scope of agricultural economics, Inter-sector linkages of agriculture, Contribution of agriculture in economic development, Decline role of agriculture in economic development.	15
II	**Production Relationship:** Production decision, Production functions in agriculture, Farm size and productivity, Thcories of agriculture development, (Lewis, Fei-Ranis and Sehultz).	15
III	**Agriculture Price Policy:** Market structure and imperfections, State policy with respect to agricultural marketing, Supply response of farm product, Characteristics of demand for farm products, Rational for and types of governmental intervention for price support and reduction in instability, Alternative concepts of cost of cultivation and determination of minimum support prices in India.	15
IV	**International Trade & Agriculture :** International trade in agricultural commodities, Domestic agricultural policies and trade policies of developed & underdeveloped countries and their impacts on world trade, WTO and its impacts on Indian agriculture; Rational for govt. intervention in rural credit markets in India.	15

Course Outcome:

1. Understand the inter-sector linkages and contribution of agriculture in economic development.
2. Understand the various government policies for agriculture and its implications.
3. Understanding of the issues relating to Indian agriculture and farmers welfare.
4. Analyse the importance of agriculture in international trade.

Suggested Readings:

1. Bruce L. Gardener & Gorden C. Rausser (Eds.), Handbook of Agricultural Economics, Vol. 142, Amersterdam, Elsevier Science B. V. , 2002.
2. Ghatak Subrata & Ken Ingersent, Agriculture & Economic Development, Harvestor Press Ltd., London, 1984.

Additional Readings:

1. Alagh Y. K. (2013), The Future of Indian Agriculture, National Book Trust, New Delhi.
2. Bardhan, P. (1984), Land Labour and Rural Poverty, Oxford University Press, New Delhi.
3. Bhalla, G. S. (1994), Economic Liberalization and Indian Agricultural Institute for Studies in Industrial Development, New Delhi.
4. Bhardwaj, K. (1974), Production conditions in Indian Agriculture, Cambridge University Press, Cambridge,
5. Bilgrami, S. A. R. (1996), Agricultural Economics, Himalaya Publishing House, New Delhi.
6. Bilgrami, S. A. R. (2000), An Introduction of Agricultural Economics, Himalaya Publishing House, Mumbai.
7. Brahmananda, P.R. and V.R. Panchumukhi (Eds.) (1987), The Development Process of the Indian Economy, Himalaya Publishing House, Bombay.
8. Chakravarty, S. (1987), Development Planning : The Indian Experience, Oxford University Press, New Delhi.
9. Chandha, G.K. A.N. Sharma (1997), Growth, Employment and Poverty; Change and continuity in Rural India; Vikas Publishing, New Delhi..
10. Chelliah, Raja J. and R. Sudarshan (1999), Income, poverty and Beyond : Human Development in India, Social Science Press, New Delhi.
11. Dantwala, M.L. (1996), Dilemmas of Growth : The Indian Experience, Sage Publication, New Delhi.
12. Dantwala, M.L. Et. (1991), Indian Agricultural Development since Independence, Oxford and IBH, New Delhi.
13. Government of India, Economic Survey (Annual), New Delhi.
14. Government of Indian (1976), Report of the National Commission on Agriculture, New Delhi.
15. Gulathi, A. and T. Kelly (1999), Trade Liberalization and Indian Agriculture, Oxford University Press, New Delhi.
16. Haque, T. and A.S. Sirohi (1986),
17. Joshi, P.C. (1975), Land Reforms in India: Trends and Prospects, Allied Publisher, Bombay.
18. Kahlon, A.S. and Tyagi D.S. (1983), Agricultural price policy in India, Allied publisher; New Delhi.
19. Meier, G.M. (1995), Leading issues in Economic Development Oxford University Press, New Delhi.

20. Raj, K. N. et. al (1988), Essays in the commercialization of Indian Agriculture, Oxford University Press, New Delhi.
21. Rao, C.H. Hanumantha (1975), Agricultural Growth Rural Poverty and Environment Degradation in India Oxford University Press, New Delhi.
22. Rao, C.H. Hanumantha (1975), Technological change and Distribution of gains from Agriculture, Macmillan, New Delhi.
23. Reghvan and L. Sarkar (Eds.) (1996), Poverty and Employment, New Age, New Delhi.
24. Rudra, A. (1982), Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi.
25. Soni, R.N. (1995), Leading Issues in Agricultural Economics, Arihant Press, Jalandhar.
26. Thamarajakshi, R. (1994), Intersect oral Relationship in a Developing Economy, Academic Foundation, Delhi.
27. Tyagi B. P. (2016), Agricultural Economics and Rural Development, Jaiprakash Nath &Co. Market.

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Course Code No.: ECODE-103	No. of Credits: 04	Semester: I
Course Title:	GROWTH ECONOMICS	

Course Objectives: The objective of the course is to introduce students to existing academic approaches that grapple with complexity of developing countries. This course presents some of the major economic ideas in development thinking.

Unit	Course Content	Periods
I	**Introduction :** Beginning of Development Economics, Distraction between growth and development - Evolution of measures of development - Characteristics of less developed countries - performance of developing countries - Factors affecting economic growth - Limits to growth.	15
II	**Pre Keynesian theories of economic growth** J. S. Mill - Marshall - Alfred Adman Smith - David Ricardo - Joseph Schumpeter - Karl Marx -	15
III	**Post War, Development Theories:** Vicious circle of Poverty - Big push - Balanced & unbalanced growth - Critical minimum effort thesis - Low level equilibrium trap - Rostow's stages of economic growth - Myrdal's theory of circular causation, dual economy model's - Lewis, Robinson, Jorgenson - Political economy of development & underdevelopment - Dependency theory of underdevelopment.	15
IV	**Modern theories of economic growth :** Harrod – Domor model - The neoclassical growth theories, Solow's model - Ricardian equivalence - The A K Model.	15

Course Outcomes:

a) Understand features of developing countries and factors for their less development

b) Know classical views on economic development

c) Understand dual economic models of development

d) To understand the various development theories and roadmap to development for developing countries.

e) Know role of savings and technology in economic growth.

Suggested Readings:

1) Thirlwall A.P. (1999) (6th Edition) "Growth and Development", Macmillan, U.K.
2) Jones H.G. "An Introduction to Modern Theories of Economic Growth", Economic Hanel Bank Series, Thomas Nelson and Sons, UK.
3) Basu, Kaushik, 1998, "Analytical Development Economics", OUP, New Delhi.
4) Sen A. (Ed) (1990) "Growth Economics", Prentice
5) Barro & Salai – Martin, "Economic Growth", Hall of India.
6) Baran, P. (1957), "Political Economy of Growth", Monthly Review Press.
7) Morriss, D. Morriss (1969),Indian Economy in the Nineteenth Century: A Symposium, Delhi: Indian Economic and Social History Association.
8) Roy. T. (2002), Economic History and Modern India: Redefining the Link, Journal of Economic Perspectives, 16(3).

Additional Readings:

1) Adelman, I (1961), "Theories of Economic Growth and Development", Stanford University Press, Stanford.
2) Chenery H.B. et. al (Eds) (1974), "Redistribution with Growth", Oxford University Press, Oxford.
3) Eric Role, History of Economic thought 1938.
4) Gerald M. Meier, Leading issues in Economic Development, OUP.
5) Ray, Debraj (2004), "Development Economics", OUP, New Delhi.
6) "Human Development Reports"
7) Sen Amarty 1999, "Commodities and Capabilities", OUP, New Delhi.
8) Bardhan, P. and Chirstopher Udry 1999, "Development Microeconomics", OUP, New Delhi.
9) Behrman S. and T. N. Srinivasan (1995) "Handbook of Development Economics", Vol. 3 Elsevier, Amsterdam.
10) Brown M. (1966), "On the Theory and Measurement of Technical Change," Cambridge, University Press, Cambridge, Mass.
11) Chenery H.B. et. al (Eds) (1974), "Redistribution with Growth", Oxford University Press, Oxford.
12) Dasgupta P. (1993), "An Enquiry into Well-being and Destitution", Clarendon Press, London,
13) Gill M.D.H. Perkins M. Romer and D.R. Snodgrass (1992), "Economics of Development", (3rd Edition) W.W. Norton, New York.
14) Gimmell N. (1987), "Surveys in Development Economics", Blackwell, Oxford.

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Course Code No.: ECODE-104	No. of Credits: 04	Semester: I
Course Title:	INTERNATIONAL ECONOMICS	

Course Objectives:
After completion of course, students will be able to
1. Understand pure theory of trade, along with a background of the mercantilist doctrine.
2. Get to grips regarding the management of deficit on current account of balance of payments.
3. Understand how to trade in foreign exchange derivatives.

Unit	Course Content	Periods
I	**International trade and economic development** Gains from international trade - trade as an engine of growth, mercantilism and theories of international trade - Ricardo , Haberler, Stolper Samuelson theorem, product cycle and strategic trait theories	15
II	**Balance of payments** Balance of payments accounting Disequilibrium in balance of payments mechanisms of adjustments, foreign trade multiplier , terms of trade	15
III	**Restrictions on trade** Theory of tariffs Partial effects of tariff, regional trade agreements, bilateral trade agreements, and their implications Nontariff barriers to trade	15
IV	**Exchange rate** Floating rates, and their implications Currency boards, speculative attacks, hedging and arbitrate - the law of one price, import and exchange controls, multiple exchange rates, unskilled, labor and foreign exchange, international liquidity, futures and options contracts in the foreign exchange market and crypto currencies	15

Learning outcome:
1. Students will be well-versed with the underlying principles of various theories of trade.
2. Students will understand restrictions imposed on trade.
3. Students will learn how people make profit or loss through trading in foreign exchange derivatives

Basic Reading List:

1. Bhagwati, J (Ed) (1981), "International Trade: Selected Readings", Cambridge, University Press, Massachusetts.
2. Bhagwati and Sriniwasan (1983), Lectures on International Trade, The MIT Press.
3. Bhagwati J. (1964), The Pure Theory of International Trade, VOL.74, pp. 1-78
4. Borkakoti J. (1998), International Trade: Causes and Consequences, Macmillan, London.
5. Chipman John S. (1965), A Survey of the Theory of International Trade Part I, The Classical Theory, Econometrica, VOL. 33, No. 3, July, pp. 477 (519).
6. Chipman John S. (1965), A Survey of the Theory of International Trade Part II, The Neo Classical Theory, Econometrica, VOL. 33, No. 4, October, pp. 685 (760).
7. Chipman John S. (1966), A Survey of the Theory of International Trade Part III, The Modern Theory, Econometrica, VOL. 34, No. 1, January, pp. 18 (76).
8. Chacholiades, M (1990), "International Trade; Theory and Policy", McGraw Hill, Kogakusha, Japan.
9. Goldstein, M. (1998), "The Asian Financial Crisis; Causes, Cure and Systemic Implications", Institute for International Economics, Washington. D.C.
10. Hefferman & Sinclair (1991), Modern International Economics, Illustrated Edition, Wiley-Blackwell
11. Salvatore, D. (1997), "International Economics", Prentice Hall, Upper Saddle River, N.J., New York.
12. Sodersten and Reed (2003) "International Economics", Macmillan Publishers Ltd. London.

Course Code No.: ECODM-201	**No. of Credits: 04**	**Semester: II**
Course Title:	**MICRO ECONOMICS - II**	

Course Objectives:

1) To enable students to understand and analyse the firms behaviour in different market structures, how prices are determined in different market structures and how factor prices are determined.
2) To enable students to understand and discuss the different views related to the welfare.
3) To prepare students for further courses which require a knowledge of Micro Economics.

Unit	Course Content	Periods
I	**Managerial Theories of Firm:** Approach. Williamson's Model Of Managerial Discretion – Hall &Hitch Report &Full Cost Pricing Principle – Bains Limit Price Principle, Baumol's Sales Revenue Maximization Hypothesis-	15
II	**Theories of Distribution** : Marginal Productivity Theory – Factor Shares and adding up problems - Product Exhaustion Theorem – Technical Progress - Macro Theories Of Distribution – Ricardo, Marx Kalecki, Kaldor	15
III	**Theory of General Equilibrium:** Partial equilibrium and general equilibrium approach. Exposition of basic concepts. An elementary general equilibrium model – The Robinson Crusoe Economy. Pure exchange economy – the Edgeworth Boxe, contract curve, Walras Law, Walras equilibrium. General conditions for uniqueness, and discussion of stability.	15
IV	**Welfare Economics:** Pigou's theory of Welfare Economics – Conditions Of Pareto Optimality – Compensation Principle – Arrow's Impossibility Theorem – Rawls Theory Of Justice – Bergson & Samuelson's Social Welfare Function.	15

Course Outcome: -

Student will able and understand that how prices are determined in different market structure & how factor prices and limits prices are determined. They will also able to know about the various views related to welfare.

Suggested Readings:

1. Lionel W. Mckenzie (2002) Classical General Equilibrium Theory, The MIT Press.
2. Ferguson C. E. (1969) The Neoclassical Theory of Production & Distribution, Cambridge University Press.
3. Koutsoyiannis, A. : Modern Micro Economics, Macmillan Press, London.
4. Ahuja H. L : Advanced Economic Theory, S. Chand and Company, New Delhi.
5. M. Maria John Kennedy : Advance Micro Economic Theory, Himalaya a Publishing House, Delhi.
6. D. Bose, A. Marimuthu: An Introduction to Micro Economics, Himalaya Publishing House, Delhi.
7. Baumol, W. J. (2000) : Economic Theory and operation's Analysis (18th edition), Prentice Hall of India Pvt. Ltd., New Delhi.
8. Stigler, G. J. (1996) : Theory of Price (4th edition), Prentice Hall of India, New Delhi.
9. Little, I.M.D.: Critique of Welfare Economics (2nd edition) Oxford University, Press.
10. Katz, M. L. and Rosen H.S. : Micro Economics, (1998), McGraw – Hill.
11. Eaton, B. Curtis, D. F. Eaton and D. W. Allen: Micro Economics (2002), Toronto Prentice Hall / Pearson.

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Course Code No.: ECODM-202	No. of Credits: 04	Semester: II
Course Title:	MACRO ECONOMICS - II	

Course Objectives:
Objective of the course is to stress on the inter-relationships between monetary, fiscal and exchange rate policies. Growth analysis is explicitly introduced in this course.

Unit	Course Content	Periods
I	**AS – AD Model:** Aggregate supply curve- Monetary expansion, dynamic aggregate supply curve – Short run and Long run aggregate supply curves – Dynamic aggregate demand curve.	15
II	**New Classical Macroeconomics:** Monetarism – Rational expectations equilibrium approach – the equilibrium approach – the supply side economics – the new Keynesianism, Macroeconomics Policy Issues – Activist Policy – Rules Versus Discretion – Alternative Strategic to Reduce Inflation – Gradualism Versus Cold Turkey –	15
III	**Open Economy Macroeconomics :** Mundell – Fleming model under fixed and flexible exchange rates – Policy conflicts and adjustment under fixed exchange rates – Flexible exchange rates, Money & price – J – Curve. The new classical approach to Fiscal policy – Unpleasant monetarist Arithmetic.	15
IV	**Growth Analysis:** Sources of economics growth – Empirical Estimates of the sources of growth – neo-classical growth models – convergence – endogenous growth	15

Course Outcome:
a) Understand effect of monetary expansion using aggregate supply curve
b) Understand people's economic behavior, and the microeconomic foundation of macroeconomics.
c) Know the limits of government to intervene in market and people's response to government policies
d) Know policy conflicts in economic stabilization and money neutrality concept
e) Understand determinants of the economic growth.

References:

1) Edgmand M R, Macroeconomics - Theory and Policy, PHI Publication, New Delhi.
2) McConnell C R and H C Gupta, Introduction to Macroeconomics, Tata McGraw– Hill Publishing Co. Ltd., New Delhi.
3) Turnovsky S J, Macroeconomic Analysis and Stabilization Policy, Cambridge University Press.
4) Oliver Jean Blanchard and Stanley Fisher, Lectures on Macroeconomics, PHI Pvt. Ltd., New Delhi.
5) D'souza Errol, Macroeconomics. Pearson Education, Delhi.
6) Harris, Monetary Economics, OVP.
7) Romer, David (DR), Advanced Macroeconomics, Second Edition, McGraw-Hill, International Edition (Economics Series), 2001.
8) Wickens, Michael (MW), Macroeconomic Theory: A Dynamic General Equilibrium Approach, 2008, Princeton University Press, Princeton and Oxford.
9) Lance Thylor, Reconstruction Macroeconomics, Hayward University Press, Cambridge, 2004.
10) Ben J. Heijdra and Frederick Van DP Foundation of Modern Macroeconomics, Oxford
11) Barro, Robert J. and Sala – i – Martin, Xavier Economic Growth , Second Edition, Prentice Hall, India, 2014
12) Balanchard, Olivier Jean and Fischer, Stanley Lectures on Macroeconomics, 2000, Prentice Hall, India.
13) Romer, David (DR), Advanced Macroeconomics, Second Edition, McGraw-Hill, International Edition (Economics Series), 2001.
14) Wickens, Michael (MW), Macroeconomic Theory: A Dynamic General Equilibrium Approach, 2008, Princeton University Press, Princeton and Oxford.
15) Lance Thylor, Reconstruction Macroeconomics, Hayward University Press, Cambridge, 2004.
16) Ben J. Heijdra and Frederick Van DP Foundation of Modern Macroeconomics, Oxford.
17) Gupta S. B., Monetary Economics, Institutions, Theory and Policy, S. Chand & Company Ltd., New Delhi.
18) Rudiger Dornbusch, Stanley Fisher, Macroeconomics, Tata Mc Graw– Hill Publishing Co. Ltd., New Delhi.
19) Branson, W H, Macroeconomics - Theory and Policy, Harper and Row, New York
20) David Romer, Advanced Macroeconomics, McGraw –Hill International Edition.
21) Ben J.Heijdra and Fredirik Van Der Ploeg, Foundations of Modern Macroeconomics, Oxford University Press.

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Course Code No.: ECODM-203	No. of Credits: 04	Semester: II
Course Title:	ECONOMETRICS - I	

Course Objectives:

The objective of this course is to operationalize empirically economic theory and test economic theory. Its objective is also to predict future movements in the economic variable of interest on the basis of econometric model.

Unit	Course Content	Periods
I	**Introduction:** Nature, meaning, definition and scope of econometrics, regression model, Types of Variables, reasons for inclusion of error term, econometric methodology principle of least squares, Ordinary least squares (OLS) estimation.	20
II	**Linear Regression Models / Analysis:** Simple, Multiple and General Linear Regression Model: Estimation and Inference, the classical assumptions, Gauss - Markov theorem and properties of the OLS estimators, goodness of fit, coefficient of determination.	20
III	**Non-Linear Regression models:** Semi-log, Polynomial, double-log and reciprocal regression models.	10
IV	**Problems in Regression Analysis**: Sources, consequences, tests and remedial measures for auto correlation, multicollinearity, heteroscedasticity, specification and measurement errors.	10

Course Outcome:-

Student will able to operationalize empirically economic theory and test it..Student will able to compute growths rate and elasticity's in the economy by using different log models. They will also able to predict future movement in the economic variable of interest on the basis of economic model.

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 Publising 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: 02**	**Semester: II**
Course Title:	**STATISTICAL METHODS**	

Course Objectives:1

1. To train the students to use the techniques of mathematical and statistical analysis.
2. To introduce the fundamental concepts of statistical modeling, particularly linear regression models.
3. To development forecasting techniques related to economics and social issues.
4. To understand the uncertain occurrence situations with logical manner.

Unit	Course Content	Periods
I	**Simple Linear Regression Analysis** 1.1 Meaning , basic concepts of Regression . 1.2 Concept of Least Squares Method and examples. 1.3 Properties of Regression Coefficients /lines. 1.4 Standard Error of Estimate. 1.5 Coefficient of determination. 1.6 Applications in economics. 1.7 Determination and presentation with computer .	15
II	**Probability** 2.1 Introduction: Probability–Classical, Empirical and Axiomatic Definitions. 2.2Counting : Permutations and Combinations. 2.3 Events ; Random Experiments – Sample Space, various types of an events. 2.4 Laws of probability: Addition ,Multiplication laws and numerical problems. 2.5 Conditional Probability - Discrete Probability distribution - Baye's Theorem and Expected Value Theorem. – Applications. 2.6 Probability Distribution Functions : Discrete Probability Distribution, Continuous Probability Distribution, Uniform Probability Distribution, Normal, Binomial and Poison, Exponential Probability Distribution, Applications.	15
	Course Output : After completion of the course, Students will acquire: 1. Knowledge of estimation techniques for unknown variable. 2. Ability to handle uncertainty in decision making processes. 3. Knowledge to correlate significant economic and social factors in research.	

Suggested Readings

1. Gupta S.P(1988) –Statistical Methods- Sultan Chand & Sons , Delhi ,
2. Gupta, S. C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
3. Hogg, R. V. and A. T. Craig (1970), Introduction to Mathematical Statistics (3rd Edition), Macmillan Publishing Co., New York.
4. Millar, J. (1996), Statistics for Advanced Level, Cambridge University Press, Cambridge

Additional Reading

1. Bez, K. (1983). *An Introduction to Input Output Techniques*, N.B.T., Goel Publishing House, Meerut.
2. Chou, Y. (1975), Statistical Analysis, Holt, Reinhart and Winston, New York.
3. Croxton, Crowden and Klein (1971), Applied General Statistics, Prentice Hall of India, New Delhi.
4. Croxton and Cowden (1973) Applied General Statistics (New Delhi: Prentice Hall of India).
5. Clarence E. Tuites –Basics Mathematics for Technical Courses, Prentice –Hall , Inc.1960
6. Goon, A. M., M. K. Gupta and B. Dasgupta (1993), Fundamentals of Statistics, Vol. 1, The World Press Ltd., Calcutta.
7. Hogg, R. V. and A. T. Craig (1970), Introduction to Mathematical Statistics (3rd Edition), Macmillan Publishing Co., New York.
8. Mathur, P.N. and R. Bhardwaj (eds.) (1967). *Economic Analysis in Input-Output Research*. Input-Output Research Association of India, Pune.
9. Miller, R.K. (1995) Introduction to Statistics for Business and Economics (St. Martin Bros. New York).
10. Monga, G. S. 91972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi
11. Nagar, A. L. and R. K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
12. Rao, C.R. (1965). *Linear Statistical Inference and Applications*, Wiley and Sons.
13. Salvatore D., Theories and Problems of Statistics and Econometrics, McGraw-Hill, 1982,
14. Sukhatme, P. V. and B. V. Sukhatme (1970), Sampling Theory of Survey with Applications, Lowa State University
15. Wallis, W.A. (1956). *Statistics - A New Approach*, The Free Press, Illinno

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

Course Code No.: ECODM-205	**No. of Credits: 04**	**Semester: II**
Course Title:	**ON JOB TRAINING / FIELD PROJECT**	

Course Objectives:

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 earn 4 credits by completing on job experience from any one of the following institution : 1.Banks 2.Insurance Companies 3.SEBI 4.Agro Based Industries 5.Dairy Farms 6.Credit Societies 7.Registered Companies OR 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:

1) Student will understand the nature and requirements of employment.
2) Student will become aware of skills for job.
3) Student will be able to start business.
4) Student will be familiar with employment issues in society.
5) Student will able to find out solution for social or economic issues in society.

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DEPARTMENT OF ECONOMICS

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

Course Code No.: ECODE-201	**No. of Credits: 04**	**Semester: II**
Course Title:	**INDUSTRIAL ECONOMICS**	

Course Objectives:

After completing the course, students will be able to

1. Understand the conduct and performance of firms in the context of the relevant market structure.
2. Know how imperfect information affects consumer behavior and firm's performance
3. Find extent of concentration of a firm in an industry.

Unit	Course Content	Periods
I	**Market structure-conduct - performance paradigm** Baumol's theory of contestable market -types of cost - fixed cost , sunk cost, opportunity cost and contestability, imperfect information, behavior of consumers and impact on performance of firms competition between IT-based forms and their marketing strategies Concentration ratio, Hirshman - Herfindahl index	15
II	**Product differentiation** Representative consumer approach and Chamberlin model of product differentiation and diversity of tastes, Hotelling's linear city model.	15
III	**Firm's investment decisions** Types of capital expenditures - capital, budgeting, investment decision techniques, payback period, Average annual rate of return, net present value, benefit cost ratio, internal rate of return, net terminal value method- Dealing with risk and uncertainty, decision tree method, accounting for inflation -the bracket creep effect.	15
IV	**Innovation and imitation** Adoption and diffusion of innovation - the political economy of patents, implications of competition act 2002 and patent act 2005 for Indian industry	15

Learning outcome:

1. Students will be ready with practical skills for helping firms in taking techniques based investment decisions.
2. Students will be able to analyze and provide consultancy on the role of different types of costs and their impact on the nature of competition in the market.
3. Students will be able to understand and explain how risk and uncertainty can be managed practically while taking investment decisions.

Basic Reading List:

1) Shepherd W. C. (1985), The Economics of Industrial Organization, Prentice Hall Inc., London
2) Tirole Jean, The Theory of Industrial Organization, MIT Press, Prentice Hall, India
3) Basu Kaushik, Lectures in Industrial Organization Theory, Blackwell

Additional Readings:

1) Ahluwalia I. J. (1985), Industrial Growth in India: Stagnation since mid 60s, Oxford University Press, Delhi.
2) Mohanti Binode (1991), (Ed.) Economic Development Perspective, VOL. 3, Public Enterprises and Performance, Commonwealth Publishers, New Delhi.
3) Mukherjee Dilip (1998), (Ed.) Indian Industry – Policies and Performance, Oxford University Press, Delhi.
4) Vepa R. K. (1988), Modern Small Industry in India, Sage Publications
5) Krishna P. & Mitra D. (1998), Trade Liberalization, Market Discipline and Productivity Growth: New Evidence from India, Journal of Development Economics.
6) Besley T. & Burgess R. (2004), Can Labor Regulation Hinder Economic Performance? Evidence from India, The Quarterly Journal of Economics.
7) Bhalotra S. R. (1998), the Puzzle of Jobless Growth in Indian Manufacturing, Oxford Bulletin of Economic and Statistics.
8) Chakravorty S. (2003), Industrial Location in Post Reform India: Patterns of Inter Regional Diversions and Intra Regional Convergence, Journal of Development Economics.
9) Bhattacharya B. (1999), WTO and Indian Industry: Response, Impact and Strategy, MADC Monthly Economic Digest, Special Number, January, Mumbai.
10) Chadha G. K. (2000), Indian Economy under the WTO Regime: Happenings, Non-happenings and Missing Links, Indian Economic Association.
11) Balakrishnan P. & Pushpangadan K. (1998), What Do We Know about Productivity Growth in Indian Industry?, Economic & Political Weekly, August 15-22

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<table>
<tr><td>Course Code No.: ECODE-202</td><td colspan="2">No. of Credits: 04</td><td>Semester: II</td></tr>
<tr><td>Course Title:</td><td colspan="3">RURAL DEVELOPMENT</td></tr>
<tr><td colspan="4">Course Objectives:
• The course on Rural Development attempts to sensitize students about the dynamic of changes in the rural economy.
• The study of problems faced by rural population and also includes the critical review of various schemes and projects that benefit the rural population.
• Emphasis may be laid on the study of rural development as an integral part of overall socioeconomic development. The treatment of topics shall be in the context of Indian economy and society.</td></tr>
<tr><td>Unit</td><td colspan="2">Course Content</td><td>Periods</td></tr>
<tr><td>I</td><td colspan="2">1.0Rural development-Nature, Special Programmes and Schemes for Rural Development:
1.1 Concept, Scope, Objectives and Indicators of Rural Development
1.2 Integrated Rural Development Programme (IRDP)
1.3 Mahatma Gandhi National Rural Employment Guarantee Scheme MGNREGS)
1.4 Pradhan Mantri Gramin Sadak Yojana (PMGSY)
1.5 Swarnjayanti Gram Swarojgar Yojna (SGSY)
1.6 Training Rural Youth for Self Employment (TRYSEM)</td><td>15</td></tr>
<tr><td>II</td><td colspan="2">Rural Poverty in India
2.1 Concept, types and measurement of poverty
2.2 Cases of poverty and Review of Poverty Alleviation and Employment Generation Programmes in India.
2.3 Rural Unemployment – Concept, Measurement and Types of Unemployment
2.4 Rural Development Strategies in India.</td><td>10</td></tr>
<tr><td>III</td><td colspan="2">Rural Credit in India
3.1 Role of National, Regional, Rural, Cooperative and Private Sector Bank in Rural Development in India
3.2 Rural Schemes: Kisan Credit Card, Crop Insurance, Jandhan Yojana.
3.3 Rural Financing : Co-Operative Financing, Regional Rural Banks, NABARD
3.4 Rule of Government for Rural Credit in India</td><td>10</td></tr>
<tr><td>IV</td><td colspan="2">Divaricating of Rural Economy
4.1Characteristics of rural economy, scope, nature & role I rural development
4.2 Agriculture sector: conceptualization, scope, objectives, importance, indicators, role of agricultural and allied sector in rural India.
4.3 Industrial sector: nature, scope, importance, role of small scale industries in rural economy.
4.4 Service sector: definition, scope, kinds of service sector: communication, energy, transport, market, irrigation.</td><td>15</td></tr>
<tr><td></td><td colspan="2">Course Outcomes:
1. Student will understand the various dimensions of rural problems.
2.Student will be aware regarding government policies regarding rural development.
3.Student will be contribute development of agriculture by applying various rural development schemes.</td><td></td></tr>
</table>

Suggested Readings:

1. Datt & Sundharam, (2016); "Indian Economy", S. Chand & Co., New Delhi, 68th New Delhi, 2016.
2. "Indian Rural development Report 2012-13", Orient Blackswan Pvt., Ltd., New Delhi, 2013.
3. Vasant Desai (2013); "Rural Development in India – Past, Present & Future", 2nd Edition, Himalaya Publishing House, Mumbai.
4. Satya Sundaram (2013); "Rural Development", Himalaya Publishing House, Mumbai.
5. "Twelfth Five Year Plan, 2012-17", Vols. 1-3, Ministry of Finance, Government of India, OUP, New Delhi.
6. Bhalla G. S. (1994); "Economic Liberalization and Indian Agriculture (Ed)", Institute for Studies in Industrial Development, New Delhi.
7. Maheshwari S. R. , "Rural Development in India", Sage Publications, New Delhi.

Additional Readings:

1. "Annual Reports: Ministry of Rural Development", Government of India.
2. Periodicals Yojna (Marathi) Yojna (English) Kurukshetra (English)
3. "All Published by Publications Division", Ministry of I & B, Government of India, New Delhi.
4. "Economic & Political Weekly", Mumbai.
5. Mishra & Puri, "Indian Economy", Himalaya Publishing House, Mumbai.
6. Shakuntala Devi, "Rural Credit and Agricultural Development", Scrap & Sons, New Delhi 1996.
7. "Economic Survey", Government of India.

Course Code No.: ECODE-203	**No. of Credits: 04**	**Semester: II**
Course Title:	**INDIAN ECONOMIC THINKERS**	

Course Objectives:

After the reading, Writing and Teaching students will be able to:

1) To Know the concepts of Thoughts of economic Thinkers,
2) To understand the Thought Process
3) To express the own ideas in his life.

Unit	Course Content	Periods
I	**Indian Economic Thoughts** Kautilya Economic Thoughts, Chhatrapati Shivaji Maharaj, Sayajirao Gaikwad, Economic Thoughts of Mahatma Phule, Dadabhai Nauroji, M. G. Ranade, G. K. Gokhale.	15
II	**Economic Thoughts of M. K. Gandhi & Pt. J. Nehru** Economic Ideas of Mahatma Gandhi (Swadeshi, Trusteeship, Gram Swaraj, Sarvodaya, Self-contained Community etc), Nehrurian Model of Development etc.	15
III	**Economic Ideas of Dr. B. R. Ambedkar** Small Holdings in India, State Socialism, Labor Reforms, Women Empowerment, Water Management, Economic Democracy, Problems of Rupees, Social Justice, Hindu Code Bill etc.	15
IV	**Modern Economic Ideas:** Economic ideas of P. C. Mahalanobis, P. R. Bramhananda, Amartya Sen, Jagdish Bhagwati, Dr. Manmohan Singh etc.	15

Course Outcome:

On successful completion of the course students be able to:-

1) Students will understand the ideas of Indian thinkers economic development and about how it should be attained.
2) Students will be able to build their own thoughts with interdisciplinary approaches.
3) Students will be able to study of philosophies of different thinkers and theories.

Basic Reading List:

1) Bhatia, H. L : History of Economic Thought ,Vikash Publishing House.
2) Blackhouse. R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.
3) Ganguli, B.N (1977) : Indian Economic Thought : A 19th Century Perspective, Tata Mcgraw Hill.
4) Hajela, T.N (2011) : Aarthik Vicharon Ka Itihas , Ane Books.
5) Hajela, T.N (2011) : History Of Economic Thought , Ane Books.
6) Hunt, E. K & Lautzenheiser, Mark (2011) : History of Economic Thought: A Critical Perspective, Phi Learning.
7) Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas, Vrinda Publications, New Delhi.
8) Kautilya (1992), The Arthashastra, Translated And Introduced By L. N. Rangarajan, Penguin Books.
9) Loknathan,V (2009) : History of Economic Thought , S. Chand & Company.
10) Roll, Eric : History of Economic Thought, Faber.
11) Schumpeter, J.A. (1954): History of Economic Analysis, Oxford University Press, New York.

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Course Code No.: ECODE-204	**No. of Credits: 04**	**Semester: II**
Course Title:	**MONETARY ECONOMICS**	

Course Objectives:

Understanding the role of money and monetary policy in the process of economic transformation and development. The course also includes a discussion on the role played by monetary policy in the open economy context. Understanding the factors which is determining supply and demand for money.

Unit	Course Content	Periods
I	**Role of Money:** Meaning and functions of money, Digital and crypto currency; money and near money; money and finance, gold standard Vs paper currency and methods of note issue, value of money and its measurement.	15
II	**Development of Monetary Theories:** Factors determine supply and demand for money; Classical & Neo-classical views on theories of money; Keynesian and post Keynesian theories of money.	15
III	**Theories of Interest Rate:** Introduction, term structure and risk structure of interest rate, Theories of interest rate determination; Administered interest rate, appropriate interest rate policy.	15
IV	**Monetary Policy:** The aim and objectives of monetary policy in developed and developing countries, instruments of monetary policy use of monetary policy, limitations & effectiveness of monetary policy.	15

Learning outcome:

1) Understand the role of money & monetary authorities in a modern economy.
2) Understand the theoretical concepts that underline the conduct of monetary policy.
3) Analyse how monetary policy decision are taken under various regions to deliver price stability.
4) Evaluate how the economy and monetary policy respond to macroeconomic shocks under various monetary policies.

Suggested Readings:

1. Bhasin Niti (2007), "Banking and Financial Markets in India (1947 to 2007)", New Century Publications, New Delhi.
2. Bhole, L. M. (2004), Financial Institutions and Markets: Structure, Growth and Innovations, India: Tata McGraw Hill Education.
3. Bhole, L.M. (2009), "Financial Institutions and Markets", Tata McGraw Hill Company Ltd., New Delhi.
4. Gautam, S. K. (2012), Money, Banking and Finance, Mumbai Vakratund Publishers.
5. Ghosh, D.N. (1979), "Banking Policy in India – An Evaluation", Allied Publishers.
6. Gupta, S. B. (2016), Monetary Economics: Institutions, Theory and Policy, S. Chand and Company Pvt. Ltd, New Delhi.
7. Hajela, T. N. (2015), Money, Banking and Public Finance, New Delhi, Ane Book Pvt. Ltd.
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. Mishkin, F. (2007), Monetary Policy Strategy, Prentice Hall of India, New Delhi.
11. Mithani, D.M. (2013), Money, Banking, International Trade and Public Finance, New Delhi, Himalaya Publishing House.
12. Pierce, D. G. & Tysome, P. G. (1985), Monetary Economics, Butterworth's London.
13. Pierce, D. G. and Shaw, D. M. (1994), Monetary Economics: Theories and Evidence and Policy, Butterworth's, London.
14. Poonia, V. (2012), Money, Banking in India, New Delhi, Srishti Books Distributors.
15. Upal, R. K. (2011), Money, Banking and Finance: Evaluation and Present Structure, New Delhi, New Country Publications.
16. Zola, Emile (2014), Money, New Delhi, Oxford University Press.

Additional Readings:

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

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

Course Code No.: ECODE-205	No. of Credits: 04	Semester: II
Course Title:	**ECONOMICS OF SOCIAL SECTOR**	

Course Objectives:

This course is meant to provide some insights into the application of economic theory in design and implementation of public policy related to management of social sectors. Units incorporated in this paper are related to the Economic of health and education.

Unit	Course Content	Periods
I	**Introduction:** Important of social sector, Interlinks between Social Sector, Welfare Economics and Environment. Social Development and Deprivation. Provision of Public goods, impure and mixed goods. Methods of pricing in public utilities. Common property resources.	10
II	**Economic of Education:** Education and Economics growth. Education as an instrument for economic growth; Human Capital: Components of human capital, human capital Vs physical capital. Demand for education: Private demand and Social demand. Determinants of demand. Cost of Education: expenditure on education. Private and social costs, wastage and stagnation. Benefits of education: Direct and indirect benefits of Education. Private and social benefits.	15
III	**Educational Planning and Economic Growth:** Role of Education for Economic growth; cost-benefit analysis of education. Educational financing-effects of education financing on income distribution; Education and labour market – Effects of education, ability and family background on earnings; poverty and income distribution, education and employment; Economics of educational planning in developing countries with special emphasis on India.	15
IV	**Health Economics and Health Care:** Health dimensions of development; Determinates of Health-poverty, malnutrition, illiteracy and environmental issues; Economic dimensions of health care-demand and supply of health care; Financing of health care and resource constraints. The concept of human life value. Theory of production of health care: Inequalities in health-class and gender Perspectives; Institutional issues in health care delivery -longevity-Ageing population	20

Course Outcome:

Students will get an insight into the applications of economic theory in design and implementation of public policy related to management of social sector.

Students will understand the Economics of health and education, which are the important determinants of human development.