M. C. E. Society's
Abeda Inamdar Senior College
Of Arts, Science and Commerce (Autonomous), Camp, Pune-1
Affiliated to Savitribai Phule Pune University
NAAC accredited 'A' Grade

Faculty of Humanities

Syllabus as Per NEP 2020 Guidelines

Master of Arts – Economics – Year II

Semester III

Choice Based Credit System 2023 Pattern

w.e.f. Academic Year 2024-25

Overview of Semester III Syllabus for M.A. II Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Semester	Nature of Paper	Course Code	Title of the Paper	Credits
III	Major 1	23AMEC31MM	Macro-Economic Analysis - I	**4**
	Major 2	23AMEC32MM	Growth & Development - I	**4**
	Major 3	23AMEC33MM	Indian Economy - I	**4**
	Major 4	23AMEC34MM	Behavioural Economics	**2**
	Major – Elective 1	23AMEC35MEA	Cooperatives and Micro Credits	**4**
		23AMEC35MEB	Mathematical Economics	**4**
	Research Project	23AMEC36RP	Research Project	**4**

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Macro-Economic Analysis - I		**Semester: III**
Course Code: 23ABEC31MM		**No. of Credits: 04**
Nature of Course: Major Mandatory - 1		**Total Teaching Hours: 60**

Course Objectives	
1.	To provide a thorough understanding of the principles of macroeconomics and the application of macroeconomic concepts in real-life situations.
2.	To discuss the modern developments in macroeconomics.
3.	To familiarize the students about the of Macro Economic data like National Accounting and its important traditional concepts and new concepts.
4.	To make postgraduate students aware about theoretical framework of Macroeconomics.

Course Outcomes	
1.	Analytically review the various macroeconomic theories and models.
2.	Empirically analyse the various macroeconomic developments taken place in recent times
3.	Analyze and deeply reflect on the various macroeconomic issues and its impact on policy decision making.
4.	Demonstrate effective application capabilities of their conceptual understanding to real world situations.
5.	Engage in independent and extended research

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Approaches to Macroeconomics**	**12**
	1. Classical Approach - Introduction and main features 2. Keynesian Approach - Introduction and main features 3. Neoclassical Approach - Introduction and main features 4. Post-Keynesian Approach - Introduction and main features	
II	**National Income and Social Accounting**	**16**
	1. Circular Flow Income in two-three and four sector economy 2. Different forms of national income accounting- 3. Social accounting 4. Input-output accounting 5. Flow of funds Accounting 6. Balance of payments Accounting 7. Matrix presentation of Social Accounting	
III	**Demand for Money**	**16**
	1. Definition of Money, Debates relating to definition of Money 2. The Liquidity Theory, Gurley and Shaw Hypothesis, Demand for Money - Classical and Keynesian 3. Cash Balance Approach - Post Keynesian Theories of Demand for Money, Tobins Approach, Baumol's Inventory Theoretic Approach, Friedman's Theory of Demand for Money 4. Recent studies on Demand for Money	
IV	**Supply of Money**	**16**
	1. Financial Intermediation 2. A Mechanistic Model of Bank Deposit Determination 3. A Behaviour Model of Money Supply Determination 4. A Demand-determined Money Supply process 5. RBI's approach to Money Supply - High Powered Money and Money Multiplier; Budget Deficit and Money Supply, Money	

	Supply and Open Economy 6. Control of Money Supply	

Suggested Readings	
1.	Swanenberg, A. (2005). *Macroeconomics demystified: A self teaching guide*. McGraw Hill Education.
2.	Ackley, G. (1978). *Macro economics: Theory and policy*. Macmillan.
3.	Agrawal, V. (2010). *Macroeconomics: Theory and policy* (2nd ed.). Pearson Publication.
4.	Ahuja, H. L. (latest ed.). *Macroeconomics: Theory and practice* (22nd ed.). S. Chand & Co.
5.	Blackhouse, R., & Salansi, A. (Eds.). (2000). *Macroeconomics and the real world* (Vols. 1–2). Oxford University Press.
6.	McConnell, C. R., & Brue, S. L. (2001). *Macroeconomics: Principles, problems and policies* (15th ed.). McGraw Hill.
7.	Froyen, R. T. (2006). *Macroeconomics: Theories and policies* (8th ed.). Pearson Education.
8.	Gupta, S. B. (1997). *Monetary planning for India*. Oxford University Press.
9.	Jha, R. (1991). *Contemporary macroeconomic theory and policy*. Wiley Eastern.
10.	Mankiw, G. (2007). *Macroeconomics* (6th ed.). Worth.
11.	Rao, V. K. R. V. (1983). *India's national income: 1950 to 1980*. Sage Publications.
12.	Gupta, S. B. (1995). *Monetary planning in India*. Oxford University Press.
13.	Mukherjee, S. (2013). *A global text-macroeconomics*. New Central Book Agency.
14.	Sikdar, S. (2006). *Principles of macroeconomics*. Oxford University Press.

Recommended Journals, Reports and Websites:

1. Economic Survey of India (latest)
2. Economic and Political Weekly (EPW)
3. Applied Economics - Taylor & Francis Online
4. Journal of Macroeconomics - Elsevier

5. Macroeconomics and Finance in Emerging Market Economies- Taylor & Francis Online
6. The Indian Economic Journal - Sage Journal
7. Reserve Bank of India: www.rbi.org.in

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Growth and Development - I		**Semester: III**
Course Code: 23ABEC32MM		**No. of Credits: 04**
Nature of Course: Major Mandatory - 2		**Total Teaching Hours: 60**

Course Objectives	
1.	To enable learning and understanding of the basic concepts and process to measure the growth and economic development etc.
2.	To understand the ideas of development and underdevelopment and human and economic development and measurement of development
3.	To understand the theory and policy with respect to economic growth and development
4.	To analyse the problems of poverty, inequality and new approaches in its measurement

Course Outcome	
1.	To expose students to various theories of Economic growth & Development and inculcate an analytical approach to the subject matter.
2.	Ability to apply the concepts of economic growth and compare international comparison of economic development, etc.
3.	To understand the various problems related to growth and development and the policy responses in the economies.
4.	To study the relevance of economic theories to contemporary economic issues.

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Principles and Concepts of Growth and Development**	**14**
	1. Concepts of growth and Development 2. Different approaches to economic development 3. Measuring Economic Development: Income and Alternative Measures 4. International Comparison of Incomes: PPP and Exchange Rate Approaches 5. Developing / Emerging Economies – Concept Barriers to Economic Development	
II	**Theories of Economic Development and Growth**	**16**
	1. Classical Theory of Economic Development: Adam Smith 2. The Harrod - Domar Model 3. Solow model of economic growth 4. Balanced Growth Theory: Ragnar Nurkse 5. The Big push theory 6. The New (Endogenous) Growth Theory	
III	**Poverty, Inequality and Unemployment**	**16**
	1. Measurement of Poverty - Uni-dimensional & Multi-dimensional, Amartya Sen's Approach to Poverty measurement, Rural and Urban Poverty, Participatory Approach to Poverty, Women and Poverty 2. Measuring Inequality, Lorenz Curve, Gini Coefficient, Functional Distribution, 3. Challenge of Unemployment, Disguised Unemployment and Economic Development, Concept of Jobless Growth 4. Employment and Migration	

IV	Human Capital and Economic Development	14
	1. Theory of Demographic Transition 2. Human Capital Approach of Development 3. Human Capital Index 4. Demographic Dividends 5. Education, Skill and Wages, Health and Efficiency to Work 6. Optimum Population	

Suggested Readings	
1.	Beckett, C., & Taylor, H. (latest edition). *Human growth and development.* SAGE.
2.	Basu, K. (latest edition). *Analytical development economics: The less developed economy revisited.* MIT Press.
3.	Cameron, N., & Bogin, B. (latest edition). *Human growth and development.* Academic Press.
4.	Gill, R. T. (latest edition). *Economic development: Past and present.* Prentice Hall.
5.	Kindleberger, C. H., P, K. C., Kindleberger, C. P., Herrick, B. H., & Bruce, H. (latest edition). *Economic development.* McGraw-Hill.
6.	Ray, D. (latest edition). *Development economics.* Princeton University Press.
7.	Schumpeter, J. A. (latest edition). *The theory of economic development.* Routledge.
8.	Solow, R. M., & Solow, R. M. (1988). *Growth theory: An exposition.* Oxford University Press, USA.
9.	Sharma, S. (latest edition). *Principles of growth and development.* Gyan Publishing House.
10.	Thirlwall, A. P. (latest edition). *Growth and development.* Macmillan, U.K.
11.	Todaro, M. P., & Smith, S. C. (latest edition). *Economic development.* Pearson UK.

Recommended Journals, Reports and Websites:

1. Economic Survey of India (Latest)
2. Economic and Political Weekly (EPW)
3. Human Development Report, UNDP, OUP Latest Reports
4. RBI Bulletin (latest issues)
5. World Development Report, Latest Reports
6. World Development Indicators, World Bank, OUP, Latest Reports

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Indian Economy - I		**Semester: III**
Course Code: 23AMEC33MM		**No. of Credits: 4**
Nature of Course: Major Mandatory - 3		**Total Teaching Hours: 60**

Course Objectives	
1.	To familiarize the students with the recent developments in Indian Economy and compare Indian Economy with other economies of world.
2.	To enable students to understand and comprehend the current agricultural scenario in the country.
3.	To develop an understanding of Industrial sector and growth and government measures to address various Industrial issues and challenges.
4.	To enable students to understand the role of and growth in service sector & problems with Service Led Growth.

Course Outcome	
1.	Students will be able to understand Indian economic environment and compare India's economic and demographic status with other world economies.
2.	Develop awareness & understanding of various developments in the agriculture sector of the Indian economy.
3.	Develop awareness & understanding of various developments in Industrial sector of the Indian economy.
4.	Students will be able to comprehend importance of service sector in Indian Economy and issues involved in Service Led Growth.

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Introduction**	**14**
	1. Overview of Indian Economy	2
	2. Characteristics of Indian economy as an Emerging Economy	2
	3. Comparison of Indian economy with the World Economy with reference to: National Income, Population, Agriculture, Industry, and Service Sector	6
	4. Aatma Nirbhar Bharat Abhiyaan: Objective, Pillars, and Progress so far	2
	5. Economic Development and Environmental Degradation in India	2
II	**Agricultural Development In India**	**18**
	1. Transformation of Indian Agriculture: Growth, Inclusiveness, and Sustainability	3
	2. Low Productivity of Indian Agriculture: Causes and Measures to improve it	3
	3. Agricultural Finance: Need and Sources	2
	4. Agricultural Marketing: Problems and Measures, e-NAM	3
	5. Minimum Support Price (MSP): Meaning, Need, and Challenges	2
	6. Important Initiatives in Agriculture: PM KISAN Scheme, Pradhan Mantri Fasal Bima Yojana (PMFBY), Agriculture Infrastructure Fund (AIF)	3
	7. Recent Developments in Agriculture Sector	2
III	**Industrial Development In India**	**15**
	1. Industrial Development in India: An Overview	2
	2. Economic reforms and Manufacturing Sector Growth	2
	3. Current Disinvestment Policy	3
	4. Role of Micro, Small & Medium Scale Enterprises (MSMEs) in Indian Economy	2
	5. New initiatives for Industrial Development: Make in India, Start-up India, and Stand-up India, National Industrial Corridor	6

	Development Programme, etc.	
IV	**Service Sector**	**13**
	1. Role of Service Sector in Indian Economy 2. Growth of Service Sector in India 3. Reasons for Rapid Growth in Services 4. Outsourcing and globalization of services 5. Service Led Growth: How Sustainable? 6. Jobless growth: Challenges and Remedies	2 2 2 2 3 2

Suggested Readings	
1.	Misra S.K. and Puri V.K. *Indian Economy*, Himalaya Publishing House, Delhi.
2.	Singh, R. (2023). *Indian Economy*. McGraw-Hill Education.
3.	Kapila, U. (2023). *Indian Economy: Performance and Policies*. Academic Foundation.
4.	Datt, R., & Sundharam, K. P. M. (latest edition). *Indian Economy: A Comprehensive Understanding.* S. Chand & Company Ltd.
5.	Acharya and Agarwal (2021). *Agricultural Marketing*. Oxford & IBH Publishing Co. Pvt. Lit. 7th Edition
6.	Gupta K.R, Sharma Manoranjan, *Indian Economic Policies and Data*, Atlantic Publishers and Distributers (P) Ltd.
7.	Bhalla, G.S (latest edition), *Indian Agriculture Since Independence*, National Book Trust, New Delhi.
8.	Soni, R.N (2010), *Leading Issues in Agriculture Economics*, Vishal Publishing Company, Jalander(PB)
9.	Ishwar C. (2019) Dhingra, *Indian Economy in the Twenty-First Century*, Manakin Press, New Delhi.
10.	Mohan, S. (latest edition). Indian policy and development. McGraw-Hill Education.
11.	Barthwal, R. R. (latest edition). *Industrial economics: An introductory text book*. New Age International
12.	Hajela, P. D. (latest edition). L*abour restructuring in India: A critique of the new Economic policies*. Commonwealth Publishers (India).
13.	Rakesh Mohan, 2019, *Moving India to a new Growth Trajectory: Need for a*

	Comprehensive Big Push, Brookings India
14.	Jagdish Bhagwati and Arvind Panagariya, 2012, *India's Tryst with Destiny*, Collins Business, Noida
15.	Jean Dreze and Amartya Sen, 2013, *India: An Uncertain Glory*, Allen Lane,
16.	Rupa Chanda (2012) *Services-led growth*. New Oxford Companion to Economics in India

Web References:

1. Indian Economy - https://egyankosh.ac.in/handle/123456789/84827
2. NITI Aayog - https://www.niti.gov.in/
3. Government of India; Economic Survey-various issues - https://www.indiabudget.gov.in/economicsurvey/
4. Make in India - https://www.makeinindia.com/home/
5. Startup India - https://www.startupindia.gov.in/content/sih/en/about_us/about-us.html
6. Stand Up Mitra - https://www.standupmitra.in/Home/SUISchemes
7. Aatmanirbhar Bharat - https://aatmanirbharbharat.mygov.in/
8. Digital India - https://digitalindia.gov.in/
9. Department of Commerce, Government of India - https://commerce.gov.in/
10. Agriculture Welfare - https://agriwelfare.gov.in/
11. Periodic Labour Force Survey (PLFS) (JULY 2022 - JUNE 2023) - https://www.mospi.gov.in/sites/default/files/publication_reports/AR_PLFS_2022_23N.pdf
12. World Bank - https://www.worldbank.org/en/country/india
13. Economic and Political Weekly - https://www.epw.in/
14. Vikaspedia - https://www.vikaspedia.in/indg
15. Arthapedia - http://www.arthapedia.in/index.php/Home_Page
16. Moving India Forward (Brookings) - https://www.brookings.edu/wp-content/uploads/2019/06/MOVING-INDIA-_Final.pdf
17. IGIDR Working Paper: Transformation of Indian Agriculture? Growth, Inclusiveness, and Sustainability by Mahendra Dev (2018) - http://www.igidr.ac.in/pdf/publication/WP-2018-026.pdf

18. Nagaraj, R. (2021). Economic reforms and manufacturing sector growth: Need to reconfigure the industrialisation model? (Economic and Political Weekly, Vol. LII no. 2, 61-68) - https://www.jstor.org/stable/44166891

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Behavioral Economics		**Semester: III**
Course Code: 23ABEC34MM		**No. of Credits: 02**
Nature of Course: Major Mandatory - 4		**Total Teaching Hours: 30**

Course Objectives	
1.	To gain insight into an alternative approach of understanding decision making by economic agent
2.	To provide students with a logical paradigm for modeling and interpreting the behavior pattern
3.	To provides firm basis for advance thinking capabilities

Course Outcomes	
1.	To enable the students how and why people behave the way they do in the real world
2.	To describe and apply the concept of behavioral economics in investment and other economics decision
3.	The Students will be able to apply the learned notions to a number of real-life cases and from new applications of the behavioral science to public policy.
4.	Interpret the latest findings from Behavioral Economics research, demonstrating an understanding of how they translate into individual behavior and apply them to public policy questions

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Introduction to Behavioral Economics**	**8**

	1. Behavioral Economics: Meaning, origin, Classical vs behaviorist 2. Principle: Anchoring, Framing, Loss Aversion, Present bias, Mental Accounting, Bounded willpower and Sunk-Cost Fallacy 3. Factor Influence Economic Behavior: Bounded Rationality, Choice Architecture, Cognitive Bias, Discrimination, Herd Mentality 4. Role and importance of behavioral economics in decision making	
II	**Theories and Methods**	**10**
	1. Concept of Biases and Heuristic and its types 2. Herbert Simon's Bounded Rationality theory 3. Amos Tversky and Daniel Kahneman's prospect theory 4. Richard Thale's Nudges theory in public policy and happiness	
III	**Investment and Consumer Decision Making under Risk and uncertainty**	**12**
	1. Risk and Uncertainty: Meaning, Types and Measures. 2. Preference to Risk: Risk averter, Risk lover & Risk neutral 3. Network Externalities, Bandwagon effect, Decoy effect, lipstick effect, Diderot effect.	

Suggested Readings	
1.	Camerer, C. F., Loewenstein, G., & Rabin, M. (Eds.). (2004). *Advances in behavioral economics*. Princeton University Press.
2.	Akerlof, G. (2007). The missing motivation in macroeconomics. *American Economic Review*, 97(1), 5–36. 4
3.	Ogaki, M., & Tanaka, S. C. (2010). *Behavioral economics: Toward a new economics by integration with traditional economics*. Nova Science Publishers.
4.	Ariely, D. (2008). *Predictably irrational: The hidden forces that shape our decisions*. HarperCollins.

5.	Thaler, R., & Sunstein, C. (2008). *Nudge: Improving decisions about health, wealth, and happiness*. Yale University Press.
6.	Rabin, M. (2002). A perspective on psychology and economics. *European Economic Review*, 46(4–5), 657–685. 500207-0)

Web References:

1. https://www.investopedia.com/terms/b/behavioraleconomics.asp
2. https://www.behavioraleconomics.com

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Cooperatives and Micro Credits		**Semester: III**
Course Code: 23AMEC35MEA		**No. of Credits: 04**
Nature of Course: Major Elective – 1A		**Total Teaching Hours: 60**

Aims & Objectives of the Course:

This course provides an in-depth understanding of cooperatives and micro-credit systems. It explores the principles, structure, and functions of cooperatives, along with the role of micro-credit in fostering economic development. Students will examine case studies, policies, and best practices in the field to gain practical insights into the application of cooperative principles and micro-credit strategies.

Course Objectives	
1.	To enable learning and understanding of concepts of cooperation and cooperative thoughts.
2.	To Identify the major sectors of cooperative development.
3.	To understand the micro-finance and its linkages
4.	Students will examine case studies, policies, and best practices in the field to gain practical insights into the application of cooperative principles and micro-credit strategies.

Course Outcomes	
1.	To expose students to various concepts of cooperation and cooperative thoughts.
2.	To equip the students major sectors of cooperative development.
3.	Students have ability to understand the micro-finance and its linkages
4.	To understand the various problems related to growth and development and the policy responses in the economies.
5.	To study the relevance of Cooperatives and micro credits in the present time.

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Introduction to Cooperatives**	**12**
	1. Definition and principles of cooperatives 2. Historical development and global significance 3. Reformist, Institutional and Behavioral approaches 4. Types and structures of cooperatives	
II	**Sectors of Cooperatives Development**	**12**
	1. Major sectors of cooperatives development; Agricultural credit sector ST and LT structure – operational features – viability – factors affecting viability 2. Non Agricultural credit sector; urban credit; Housing and industrial cooperative banks, working profiles and problem.	
III	**Cooperative Management and Governance**	**12**
	1. Roles and responsibilities of members and leaders 2. Decision-making processes in cooperatives 3. Legal and regulatory frameworks 4. Criteria for judging the operations efficiency of cooperatives; indicators of efficiency – membership coverage resource mobilization – minimization of cost of capital mobilization of return on investments	
IV	**Micro-Credit Systems**	**14**
	1. Definition and objectives of micro-credit 2. Models and methodologies of micro-credit 3. Impact of micro-credit on poverty alleviation and empowerment 4. Micro finance and Micro Enterprises – SGSY as micro enterprise programme Micro finance programmes in India – an assessment pilot project of NABARD – Salient features – SHG – Bank Linkage and scheme – different models of linkages recommendation of working group on pilot project (1996) – task force on supportive policy and regulatory framework of micro finance recommendations – RMK –	

	SIDBI. 5. Self-Help Groups and Co-operatives and JLG (Joint Liability Group)	
V	**Challenges and Opportunities**	**10**
	1. Common challenges faced by cooperatives and micro-credit institutions 2. Opportunities for sustainable growth and development 3. Innovations and best practices in the field	

Suggested Readings	
1.	Hajela, T. N. (2010). *Cooperation: Principles, problems and practice*. Konark Publishers.
2.	Krishnasamy, O. R. (1985). *Fundamentals of cooperation*. S. Chand & Co.
3.	Karmakar, K. G. *Rural credit and self-help groups: Microfinance needs and concepts in India*. Sage Publications.
4.	Carpenter, C. G. *Cooperative principles and practices*. Macmillan.
5.	Kolstad, I., & Wiig, A. *Microfinance: A comprehensive review of its impacts and challenges.*
6.	Film: Manthan (1976)

Web References:

1. BNP Paribas Microfinance Barometer. (2018). https://www.convergences.org/wp-content/uploads/2018/09/BMF_2018_EN_VFINALE-1.pdf
2. https://dhsgsu.edu.in/images/Reading-Material/Economics/1--financial-incluson.pdf
3. https://egyankosh.ac.in/bitstream/123456789/88932/3/Unit-16.pdf
4. https://www.cooperatives.gov.in/en/home/journey

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Mathematical Economics		**Semester: III**
Course Code: 23AMEC35MEB		**No. of Credits: 04**
Nature of Course: Major Elective – 1B		**Total Teaching Hours: 60**

Course Objectives	
1.	To expose the students to use the techniques of mathematical analysis, which are commonly applied to understand and analyse economic problems
2.	To provide a basic knowledge of the concept of functions, limits and continuity, differential and matrices& determinants.
3.	To make students able for application of mathematical tools in the theory of consumer behaviour and the behaviour of a competitive firm as well as also cover input analysis, linear programming and game theory.

Course Outcomes	
1.	Learn the technique of mathematical analysis.
2.	Apply the various tools of mathematics in Economics.
3.	Able to apply models and policy issues in the social issues.

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Functions and Limits**	**11**
	1. Function; Types of Function: Linear, quadratic, power, exponential and inverse 2. Progression: Arithmetic and Geometric 3. Limits and Continuity Introduction: Limit Theorems	

II	**Differential Calculus**	**11**
	1. Differential Calculus Average rate of change; The Derivative as a rate of change; Rules for Simple, Partial and Total differentiations; 2. Problems of maxima and minima in single and multivariable functions, Optimization with Lagrange multiplier. 3. Integral Calculus, Definite and Indefinite Integral; Basic Integration Formulas Methods of Integration, Properties of Definite Integrals.	
III	**Matrices and Determinants**	**12**
	1. The Concept of a Matrices; Types of Matrices; Operations on Matrices 2. Determinants: Characterization, Properties and Applications 3. Matrix Inversion; Solution of Simultaneous equations: Cramer's rule and Matrix Inversion method	
IV	**Consumer theory and Production Function**	**12**
	1. Consumer Theory: Utility function; budget line; 2. Constrained optimization; Consumer's equilibrium; 3. Income effect; substitution effect and price effect; Slutsky equation; Derivation of demand curve 4. Properties of production function — Homogeneous and non-homogeneous; Cobb-Douglas, CES, Returns to scale	
V	**Market Structure and Game Theory**	**14**
	1. Concept of equilibrium ; Equilibrium of the firm under perfect competition 2. Monopoly, price discrimination, monopolistic competition 3. Game Theory: Concept, Pay-off matrix. 4. Input-Output Analysis and Linear Programming Input – Output Analysis: Assumptions; Transaction matrix: Technical coefficients, open and close input Linear Programming: Formulation of linear programming problem.	

Suggested Readings	
1.	Hoy, M., Livernois, J., McKenna, C., Rees, R., & Stengos, T. (2001). *Mathematics for economics* (2nd ed.). Prentice Hall.
2.	Sydsaeter, K., & Hammond, P. (2002). *Mathematics for economic analysis*. Pearson Education.
3.	Sydsaeter, K., & Hammond, P. (2005). *Mathematics for economic analysis* (4th Indian reprint). Pearson Education.
4.	Chiang, A. C., & Wainwright, K. (2005). *Fundamental methods of mathematical economics* (4th ed.). McGraw-Hill.
5.	Baruah, S. (2006). *Basic mathematics and its application in economics*. Macmillan.
6.	Salam, M. A. (2012). *An introduction to mathematical economics*. LAP LAMBERT Academic Publishing.
7.	Yamne, T. (2012). *Mathematics for economists*. Literary Licensing.

Web References:

1. http://www.math.tifr.res.in/maths/all-journals.html,
2. http://www.indiastudycenter.com
3. http://www.iisc.ernet.in
4. https://uqu.edu.sa,www.sosmath.com/matrix/elemop /elemop.htmlwww.cis.upenn.edu,math.feld.cvut.cz/mt/txtb/5/txe3ba5b.htm
5. www.intmath.com/differentiation/4-derivative-instantaneous-rate-change

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Research Project		**Semester: III**
Course Code: 23AMEC36RP		**No. of Credits: 04**
Nature of Course: Research Project related to major		**Total Teaching Hours: 60**

Course Objectives	
1.	To develop practical knowledge and research skills among students and to make the students an active researcher.
2.	To make students get an insight into the analysis, findings, interpretation, writing and presentation skills.
3.	To develop critical thinking of the subject among students.
4.	To give an opportunity to develop deeper insights in to an area of interests of the students.

Course Outcomes	
1.	Students will learn the process and steps in scientific research.
2.	Students will be able to think critically and will be able to analyse scientifically the collected data.
3.	Students will be able to explore the area of their interests.
4.	Students will be able to develop their academic writing skills and will learn to write a scientific research report.
5.	Engage in independent and extended research.

General Instructions for the Research Project:

- Student must complete 4 credits and 6 credits of Research Projects in Semester III and Semester IV respectively of M.A.
- Successful completion of the Research Project is mandatory, in case a student could not complete the Research Project as per prescribed standards, the student will not be eligible to receive the P.G. Degree.
- Students have to complete Research Project under the supervision and guidance of an assigned responsible teacher-in-charge.

Guidelines for the Research Project (RP):

- The RP may be undertaken on any topic of interest related to Economics or Socio-Economic issues. Be creative.
- RP has to be undertaken individually and not in a group.
- RP should be submitted within the time frame announced by the in-charge teacher.
- Any delays in the RP submission will not be entertained.
- In case of failing in the project work the same project can be revised for ATKT examination.
- Students are expected to identify the major issues, problems, or questions surrounding the topic. The Research title has to be precise, clear and have a clear objective.
- Review the related literature.
- Develop the research methods:
  - Qualitative methods (content analysis of visual and textual material, oral history, focus groups, open ended surveys etc.)
  - Quantitative methods (surveys, questionnaire etc.) and Mixed Methods.
- Collect the data and analyse the data.
- Explain/interpret your results. What do they all mean?
- **Report writing:**
  - RP should have a minimum of 50 pages including the heading page and appendix if any.
  - Typed, spiral bound. (Formatting Instructions: Font: Times New Roman, Font-size: 12, Line Spacing: 1.5)

The RP shall contain the following chapters:

- Introduction
- Review of literature
- Research Methodology
- Analysis and interpretation
- Conclusion and Suggestions
- References and Appendix

The student is expected to prepare a presentation of the RP for viva voce.

The evaluation is to be done on the basis of-

- Regularity and punctuality
- Actual work performed as certified by the mentor
- Skills learnt by the student
- Problem-solving initiatives taken
- Learning attitude
- Research methodology
- Quality and content of the presentation

Pattern of Examination / Evaluation of the Research Project

For 4 Credits: Viva-voce in presence of External Referee

A) Internal (CIE): 50 Marks

Assignment on review of literature related to topic selected	10 Marks
Writing a proposal of RP Assignment	10 Marks
Research Methodology Assignment	10 Marks
Analysis and Interpretation of the data assignment	10 Marks
Paper presentation at State / National / International Seminars / Conferences etc.	10 Marks

B) External (ESE): 50 Marks

Quality and writing skills	15 Marks
Content	15 Marks
Presentation and viva voce	10+10 Marks

M. C. E. Society's
Abeda Inamdar Senior College
Of Arts, Science and Commerce (Autonomous), Camp, Pune-1
Affiliated to Savitribai Phule Pune University
NAAC accredited 'A' Grade

Faculty of Humanities

Syllabus as Per NEP 2020 Guidelines

Master of Arts – Economics – Year II

Semester IV

Choice Based Credit System 2023 Pattern

w.e.f. Academic Year 2024-25

Overview of Semester IV Syllabus for M.A. II Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Semester	Nature of Paper	Course Code	Title of the Paper	Credits
IV	Major 5	23AMEC41MM	Macro-Economic Analysis - II	**4**
	Major 6	23AMEC42MM	Growth & Development - II	**4**
	Major 7	23AMEC43MM	Indian Economy - II	**4**
	Major – Elective 2	23AMEC44MEA	Micro Finance & Women Empowerment	**4**
		23AMEC44MEB	Econometrics	**4**
	Research Project	23AMEC45RP	Research Project	**6**

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Macro-Economic Analysis - II		**Semester: IV**
Course Code: 23ABEC41MM		**No. of Credits: 04**
Nature of Course: Major Mandatory - 5		**Total Teaching Hours: 60**

Course Objectives	
1.	To provide a thorough understanding of the principles of macroeconomics and the application of macroeconomic concepts in various contexts.
2.	To discuss the modern developments in macroeconomics.
3.	To make postgraduate students aware about theoretical framework of Macroeconomics.
4.	To make students understand Macroeconomic issues and policies to tackle the issues.

Course Outcomes	
1.	Analyze the various macroeconomic issues related to an open economy.
2.	Acquire strong foundation of macroeconomic theories and models and their relevance to economic decision making..
3.	Demonstrate effective application capabilities of their conceptual understanding to real world situations.
4.	Critically evaluate the causes of fluctuations in economic activity and assess policies to ameliorate it.
5.	Engage in independent and extended research.

Syllabus		
Unit No.	**Title with Contents**	**No. of hours**
I	**Aggregate Demand and Aggregate Supply Analysis**	**15**
	1. Aggregate Demand Curve (with price flexibility)-Derivation of aggregate demand curve shift in aggregate demand curve and multiplier effect 2. Aggregate Supply curve (with variable prices)-shift in aggregate supply curve-long-run aggregate supply curve –Derivation of Aggregate supply curve- 3. Macroeconomic equilibrium: AS-AD Model-Friedman’s Natural Rate Hypothesis- Economic Fluctuations 4. Three Models of the Upward Sloping SRAS (short-run aggregate supply curve) –The Sticky Wage Theory, The Sticky Price Theory and The Misperceptions (Fooling) Theory	
II	**The IS-LM Curves Model**	**16**
	1. Introduction-The Structure of the Model 2. Derivation of IS Curve and LM Curve –Shifts in IS Curve and LM curve, causes in shifts in IS and LM Curve. 3. Simultaneous Equilibrium in Goods Market and Money Market-Extension IS-LM model with government sector Fiscal policies. 4. Extension of IS-LM model with Labor Market and flexible prices. 5. Fiscal and Monetary Policies and IS-LM Curve Model	
III	**Inflation-Unemployment Trade-Off: Phillips Curve and Rational Expectations Theory**	**15**
	1. Inflation and Unemployment-Phillips curve-Explanation of Phillips curve. 2. Causes of shifts in Phillips Curve- Long-run Phillips curve and adaptive expectations –Long-run Phillips curve: Rational expectations. 3. Relation between short-run Phillips curve and long-run Phillips curve. 4. Stagflation and Supply-side Economics-stagflation in India-1991-	

	04, causes of stagflation 5. Supply-side economics-basic propositions of supply-side economics-Taxation and labour supply, Incentive to save and investment, the tax wedge-tax revenue and Laffer curve, a critical appraisal of supply side economics 6. Case of Philips curve and stagflation in Indian perspective	
IV	**The New Classical Macro Economics & the Open Economy Issues**	**14**
	1. Introduction -Meaning of Rational Expectations- Barrow's view 2. The New Classical Model 3. The Role of the Monetary and Fiscal policy 4. Rational Expectations and the Real Business Cycles 5. Criticism of the Rational Expectations Hypothesis 6. Open Economy - Balance of Trade, Balance of Payments – Mundel-Fleming Model, Exchange Rate Regimes	

Suggested Readings	
1.	Swanenberg, A. (2005). *Macroeconomics demystified: A self teaching guide*. McGraw Hill Education.
2.	Ackley, G. (1978). *Macro economics: Theory and policy*. Macmillan.
3.	Agrawal, V. (2010). *Macroeconomics: Theory and policy* (2nd ed.). Pearson Publication.
4.	Ahuja, H. L. (latest ed.). *Macroeconomics: Theory and practice* (22nd ed.). S. Chand & Co.
5.	Blackhouse, R., & Salansi, A. (Eds.). (2000). *Macroeconomics and the real world* (Vols. 1–2). Oxford University Press.
6.	McConnell, C. R., & Brue, S. L. (2001). *Macroeconomics: Principles, problems and policies* (15th ed.). McGraw Hill.
7.	Froyen, R. T. (2006). *Macroeconomics: Theories and policies* (8th ed.). Pearson Education.
8.	Gupta, S. B. (1997). *Monetary planning for India*. Oxford University Press.
9.	Jha, R. (1991). *Contemporary macroeconomic theory and policy*. Wiley Eastern.
10.	Mankiw, G. (2007). *Macroeconomics* (6th ed.). Worth.

11.	Rao, V. K. R. V. (1983). *India's national income: 1950 to 1980*. Sage Publications.
12.	Gupta, S. B. (1995). *Monetary planning in India*. Oxford University Press.
13.	Mukherjee, S. (2013). *A global text-macroeconomics*. New Central Book Agency.
14.	Sikdar, S. (2006). *Principles of macroeconomics*. Oxford University Press.

Recommended Journals, Reports and Websites:

1. Economic Survey of India (latest)
2. Economic and Political Weekly (EPW)
3. Applied Economics - Taylor & Francis Online
4. Journal of Macroeconomics - Elsevier
5. Macroeconomics and Finance in Emerging Market Economies- Taylor & Francis Online
6. The Indian Economic Journal - Sage Journal
7. Reserve Bank of India: www.rbi.org.in

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Growth and Development - II		**Semester: IV**
Course Code: 23AMEC42MM		**No. of Credits: 04**
Nature of Course: Major Mandatory - 6		**Total Teaching Hours: 60**

Course Objectives	
1.	To enable learning and understanding of the basic concepts and process to measure the growth and economic development etc.
2.	To analyze and evaluate the obstacles in the process of economic growth and Development.
3.	The main objective of the course is to familiarize students with the problems of growth and development in developing and developed countries

Course Outcome	
1.	To be familiar with the role of agriculture and industrial sector in the development process of developing countries.
2.	To examine the various development models pertaining to financing development in developing countries.
3.	To discuss issues affecting economic development in the modern world, concerning gender equality, forms of governance, political stability etc. And to study strategies relating to the same
4.	Ability to analyze and demonstrate knowledge of the economic growth and development theories of economic growth and development
5.	Ability analyze, evaluate and apply the growth and development concepts, role of human capital, etc. in real life situations

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Sectoral Development: An Overview**	**14**
	1. International agreements and Agriculture in India 2. Agriculture Productivity, Agriculture Price Policy, Land Holding and Cropping Pattern 3. Industrial Production Trends at National and International Level, Role Of MSMEs, Government Policies for Industrial Development 4. Growth of Services Sector in India, ICT and Services sector, 5. International Comparison.	
II	**Technology And Development**	**16**
	1. Role of Technology and Development 2. Capital Formation and Technical Progress as Sources of Growth 3. Technological Strategy of Development 4. Economics of R&D, Invention and Innovation, Relation to Development Technology Centered Development	
III	**Environment And Development**	**14**
	1. Sustainable Development, Sustainability Performance and Reporting 2. Initiative towards achieving SDG goals in India- Evaluation 3. Environment and Rural-Urban Development 4. Industrialization and Environment Protection 5. Climate change and Agriculture	
IV	**Development Strategies**	**16**
	1. The Role of the Government in the Developmental process 2. The Market versus Detailed Centralized Planning 3. Approaches to Poverty Alleviation and Employment Generation 4. Evaluation of Poverty Alleviation and Employment Generation:	

	5. Programs: Mahatma Gandhi National Rural Employment Guarantee Act Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM) 6. Policy of Export Promotion & Import Substitution 7. Policy of Infrastructure Development: Smart Cities Mission, Bharatmala Project	

Suggested Readings	
1.	Beckett, C., & Taylor, H. (latest edition). *Human growth and development.* SAGE.
2.	Basu, K. (latest edition). *Analytical development economics: The less developed economy revisited.* MIT Press.
3.	Cameron, N., & Bogin, B. (latest edition). *Human growth and development.* Academic Press.
4.	Gill, R. T. (latest edition). *Economic development: Past and present.* Prentice Hall.
5.	Kindleberger, C. H., P, K. C., Kindleberger, C. P., Herrick, B. H., & Bruce, H. (latest edition). *Economic development.* McGraw-Hill.
6.	Ray, D. (latest edition). *Development economics.* Princeton University Press.
7.	Schumpeter, J. A. (latest edition). *The theory of economic development.* Routledge.
8.	Solow, R. M., & Solow, R. M. (1988). *Growth theory: An exposition.* Oxford University Press, USA.
9.	Sharma, S. (latest edition). *Principles of growth and development.* Gyan Publishing House.
10.	Thirlwall, A. P. (latest edition). *Growth and development.* Macmillan, U.K.
11.	Todaro, M. P., & Smith, S. C. (latest edition). *Economic development.* Pearson UK.

Recommended Journals, Reports and Websites:

1. Economic Survey of India (Latest)
2. Economic and Political Weekly (EPW)
3. Human Development Report, UNDP, OUP Latest Reports
4. RBI Bulletin (latest issues)
5. World Development Report, Latest Reports
6. World Development Indicators, World Bank, OUP, Latest Reports

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Indian Economy - II		**Semester: IV**
Course Code: 23AMEC43MM		**No. of Credits: 4**
Nature of Course: Major Mandatory - 7		**Total Teaching Hours: 60**

Course Objectives	
1.	To describe the concept of Economic Planning, its objectives and examine the changing structure of planning process in India.
2.	To develop a deep understanding of the Infrastructure development in India.
3.	To analyze and evaluate the key challenges facing the Indian economy.
4.	To enable students discuss and evaluate policy responses to address the identified challenges.

Course Outcome	
1.	Students will be able to understand the concept of Economic Planning, its objectives and changing structure of planning process from Planning Commission to NITI Aayog.
2.	Develop awareness & understanding of role and importance of social and economic Infrastructure in economic development of the country.
3.	Develop awareness & understanding of key challenges facing the Indian economy such as Poverty, unemployment, Human Capital Formation etc.
4.	Develop critical thinking and analytical skills to propose potential solutions to the identified challenges.

Syllabus		
Unit No.	**Title with Contents**	**No. of hours**
I	**Economic Planning In India**	**15**
	1. Meaning and Features of Economic Planning	2
	2. Objectives of Indian Planning	1
	3. Achievements of Planning Process during Five Year Plans	3
	4. Planning commission v/s NITI Aayog	2
	5. NITI Aayog: Objectives, Functions and Achievements	3
	6. Liberalization, Privatisation and Globalisation	2
	7. Impact of Globalization on Indian Economy	2
II	**Infrastructural Development In India**	**15**
	1. Role of Infrastructure in Economic Development of India	1
	2. Problems of Infrastructure Development in India	2
	3. Public-Private Partnership in Infrastructural Development	2
	4. Infrastructure Development Related Policies and Programs:	6
	• *Prime Minister GatiShakti -National Master Plan for Multi-modal Connectivity*	
	• ***National Infrastructure Pipeline***	
	• *National Monetisation Pipeline (NMP)*	
	• *Smart Cities*	
	• *Aspirational Districts Programme*	
	• *National Investment and Infrastructure Fund (NIIF)*	
	5. Current Status of Digital Infrastructure in India	2
	6. Current Status of Health Infrastructure in India	2
III	**Human Capital Formation In India**	**15**
	1. Meaning and Sources of Human Capital	2
	2. Role of Human Resources in Economic Development	2
	3. Demographic Changes in India: Opportunities and Challenges	2
	4. Demographic Drivers of Population Change	2
	5. India's Preparedness for Demographic Change	2
	6. Present Status of Human Capital Formation in India	3
	7. Human Development Index and India	

	8. Role of National Education Policy, 2020 (NEP) in Human Capital Formation 9. India as a knowledge-Economy	2
IV	**Poverty And Unemployment In India**	**15**
	1. Meaning and Causes of Poverty 2. Poverty in India: Measurement, trends and other issues 3. Growth and Changing Structure of Employment in India 4. Informalisation of Indian Workforce 5. Recent Policies and Programmes towards Poverty Alleviation and Employment generation: • *Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)* • *Pradhan Mantri Kaushal Vikas Yojana* • *Aajeevika - National Rural Livelihoods Mission (NRLM)* • *Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)*	1 2 2 2 2 2 4

Suggested Readings	
1.	Misra S.K. and Puri V.K. *Indian Economy*, Himalaya Publishing House, Delhi.
2.	Singh, R. (2023). *Indian Economy*. McGraw-Hill Education.
3.	Kapila, U. (2023). *Indian Economy: Performance and Policies*. Academic Foundation.
4.	Datt, R., & Sundharam, K. P. M. (latest edition). *Indian Economy: A Comprehensive Understanding.* S. Chand & Company Ltd.
5.	Gupta K.R, Sharma Manoranjan, *Indian Economic Policies and Data*, Atlantic Publishers and Distributers (P) Ltd.
6.	Ishwar C. (2019) Dhingra, *Indian Economy in the Twenty-First Century*, Manakin Press, New Delhi.
7.	Mohan, S. (latest edition). *Indian policy and development*. McGraw-Hill Education.
8.	Hajela, P. D. (latest edition). *Labour restructuring in India: A critique of the new Economic policies*. Commonwealth Publishers (India).
9.	Amartya Sen. *Poverty and Inequality*, Stanford University Press, 2006

10.	Sen Amartya, *Employment, Technology and Development*, Oxford University press, London
11.	Edwards, E.O. (Ed.). *Employment in Developing Countries*, Columbia University Press, New York.

Web References:

- Indian Economy - https://egyankosh.ac.in/handle/123456789/84827
- NITI Aayog - https://www.niti.gov.in/
- Government of India; Economic Survey-various issues. https://www.indiabudget.gov.in/economicsurvey/
- https://www.makeinindia.com/home/
- https://www.startupindia.gov.in/content/sih/en/about_us/about-us.html
- https://www.standupmitra.in/Home/SUISchemes
- https://aatmanirbharbharat.mygov.in/
- https://digitalindia.gov.in/
- https://commerce.gov.in/
- https://agriwelfare.gov.in/
- Periodic Labour Force Survey (PLFS) (JULY 2022 - JUNE 2023) https://www.mospi.gov.in/sites/default/files/publication_reports/AR_PLFS_2022_23N.pdf
- https://www.worldbank.org/en/country/india
- https://www.epw.in/
- https://www.vikaspedia.in/indg
- http://www.arthapedia.in/index.php/Home_Page
- Rangarajan, C., & Dev, S. M., 2020, *Poverty in India: Measurement, trends and other issues*, IGIDR, Working Papers 2020-038. http://igidr.ac.in/pdf/publication/WP-2020-038.pdf
- James, K.S., & Srinivas Goli, 2016, "*Demographic Changes in India: Is the Country Prepared for the Challenge*?" Brown Journal of World Affairs, Fall/Winter 2016, Volume XXIII, Issue I. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3908884

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Econometrics		**Semester: IV**
Course Code: 23AMEC44MEB		**No. of Credits: 04**
Nature of Course: Major Elective – 2B		**Total Teaching Hours: 60**

Course Objectives	
1.	To make the students able to apply econometric method for understanding the interrelationship of economic variables
2.	To make students to learn the basic concepts of estimation and estimation of linear regression model by applying OLS Method.
3.	To make students able to solve the problems associated with OLS methods like auto correlations and econometric models along with use of Dummy variables.

Course Outcome	
1.	Students will be familiar with the need and scope of econometrics as a subject matter.
2.	They will be able to know and calculate basic concepts of estimations
3.	They can work out the problems of multicollinearity, heteroscedasticity and autocorrelation and find out solutions for these problems.
4.	Students can understand the importance of lags models, dummy variables and use of ANOVA in economics problems analysis.

Syllabus		
Unit No.	**Title with Contents**	**No. of Hours**
I	**Introduction to Econometrics**	**14**
	1. Meaning , Nature and Scope of econometrics, 2. Econometrics relationship with economics, mathematics and statistics 3. Methodology of Econometrics 4. Concepts and Terms used in Econometrics Models: Variables; Endogenous and Exogenous, Type of Data; Time series Data, Cross Section Data, Pooled and Panel Data 5. Concepts of estimation; desirable properties of estimators	
II	**Regression model**	**15**
	1. Regression Analysis: Meaning, objectives 2. Basic functional forms of regression model 3. Simple Linear Regression Model: assumptions, estimation (through OLS method), 4. Properties of Least –Squares Estimator: Gauss-Markov Theorem (BLUE properties), Derivation and Properties of R2, 5. The Classical Linear Regression Model.	
III	**Problems With Regression Analysis**	**16**
	1. Autocorrelation: Meaning, Objective, Nature and Consequences .Test of Autocorrelation: Graphical Method, The Run Test, Durbin Watson Test; Remedial Measure of Autocorrelation. 2. Heteroscedasticity: Objectives and Nature. Test and Remedial Measure: Formal and Informal methods; Spearman's rank correlation test; Park Test; Glejser Test. 3. Multicollinearity: Meaning, Objectives, Nature. Test and Remedial Measure: R2 and Variance Inflation Factor (VIF)	
IV	**Lag Models, Regression Analysis and Analysis of Variance (ANOVA)**	**15**
	1. Lags econometric models – Concepts, Koyck model; Partial adjustment and adaptive expectation model.	

	2. Dummy variables and its uses, effects, and cautions in the use of dummy Variables. 3. Uses of ANOVA, CHOW Test: comparing two regressions	

Suggested Readings	
1.	Green, W. H. (2018). *Econometric analysis* (8th ed.). Prentice Hall.
2.	Gujarati, D. (2019). *Basic econometrics* (6th ed.). McGraw Hill.
3.	Johnston, J., & Dinardo, J. (1997). *Econometric methods* (4th ed.). McGraw Hill.
4.	Kmenta, J. (1997). *Elements of econometrics* (2nd ed.). Michigan Press.
5.	Maddala, G. S. (2001). *Introduction to econometrics* (3rd ed.). John Wiley.
6.	Wooldridge, J. W. (2019). *Introductory econometrics: A modern approach* (6th ed.). Cengage India.

Syllabus for M.A. II - Economics

CBCS 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Research Project		**Semester: IV**
Course Code: 23AMEC45RP		**No. of Credits: 06**
Nature of Course: Research Project related to major		**Total Teaching Hours: 90**

Course Objectives	
1.	To develop practical knowledge and research skills among students and to make the students an active researcher.
2.	To make students get an insight into the analysis, findings, interpretation, writing and presentation skills.
3.	To develop critical thinking of the subject among students.
4.	To give an opportunity to develop deeper insights in to an area of interests of the students.

Course Outcomes	
1.	Students will learn the process and steps in scientific research.
2.	Students will be able to think critically and will be able to analyse scientifically the collected data.
3.	Students will be able to explore the area of their interests.
4.	Students will be able to develop their academic writing skills and will learn to write a scientific research report.
5.	Engage in independent and extended research.

General Instructions for the Research Project:

- Student must complete 4 credits and 6 credits of Research Projects in Semester III and Semester IV respectively of M.A.
- Successful completion of the Research Project is mandatory, in case a student could not complete the Research Project as per prescribed standards, the student will not be eligible to receive the P.G. Degree.
- Students have to complete Research Project under the supervision and guidance of an assigned responsible teacher-in-charge.

Guidelines for the Research Project (RP):

- The RP may be undertaken on any topic of interest related to Economics or Socio-Economic issues. Be creative.
- RP has to be undertaken individually and not in a group.
- RP should be submitted within the time frame announced by the in-charge teacher.
- Any delays in the RP submission will not be entertained.
- In case of failing in the project work the same project can be revised for ATKT examination.
- Students are expected to identify the major issues, problems, or questions surrounding the topic. The Research title has to be precise, clear and have a clear objective.
- Review the related literature.
- Develop the research methods:
    - Qualitative methods (content analysis of visual and textual material, oral history, focus groups, open ended surveys etc.)
    - Quantitative methods (surveys, questionnaire etc.) and Mixed Methods.
- Collect the data and analyse the data.
- Explain/interpret your results. What do they all mean?
- **Report writing:**
    - RP should have a minimum of 50 pages including the heading page and appendix if any.
    - Typed, spiral bound. (Formatting Instructions: Font: Times New Roman, Font-size: 12, Line Spacing: 1.5)

The RP shall contain the following chapters:

- Introduction
- Review of literature
- Research Methodology
- Analysis and interpretation
- Conclusion and Suggestions
- References and Appendix

The student is expected to prepare a presentation of the RP for viva voce.

The evaluation is to be done on the basis of-

- Regularity and punctuality
- Actual work performed as certified by the mentor
- Skills learnt by the student
- Problem-solving initiatives taken
- Learning attitude
- Research methodology
- Quality and content of the presentation

Pattern of Examination / Evaluation of the Research Project

For 4 Credits: Viva-voce in presence of External Referee

A) Internal (CIE): 50 Marks

Assignment on review of literature related to topic selected	10 Marks
Writing a proposal of RP Assignment	10 Marks
Research Methodology Assignment	10 Marks
Analysis and Interpretation of the data assignment	10 Marks
Paper presentation at State / National / International Seminars / Conferences etc.	10 Marks

B) External (ESE): 50 Marks

Quality and writing skills	15 Marks
Content	15 Marks
Presentation and viva voce	10+10 Marks

Syllabus for M.A. II - Economics

NEP 2023 Pattern – w.e.f. Academic Year 2024-25

Based on NEP 2020 Guidelines

Course Title: Microfinance & Women Empowerment		**Semester: IV**
Course Code: 23AMEC44MEA		**No. of Credits: 04**
Nature of Course: Major – Elective 2		**Total Teaching Hours: 60**

Course Objectives	
1.	To Gain a comprehensive understanding of microfinance
2.	To Examine gender disparities in economic activities and evaluate women's roles and barriers in economic development
3.	To Analyze various strategies and schemes designed to empower women
4.	To make students understand the policies to tackle the issues.

Course Outcomes	
1.	Students will demonstrate an understanding of the principles, and features of microfinance, as well as the role of different microfinance institutions
2.	Analyze gender inequality and assess the impact of strategies aimed at improving women's economic participation
3.	Students will be capable of evaluating and applying the strategies and schemes for women's empowerment, informed by real-life case studies
4.	Engage in independent and extended case studies that successfully led Microfinance business

Syllabus		
Unit - 1	**Introduction to Microfinance**	**No. of Hours: 60**
	1.1 Microfinance: Meaning, Evolution, Scope, and Features of Microfinance **1.2** Types and Role of Microfinance Institutions (MFIs): Banks, NGOs, Cooperatives, etc. **1.3** Microfinance Products and Services: Microcredit, Micro Saving, Micro Insurance, Remittance and Payments Services **1.4** Role of Microfinance in Economic and Social Development **1.5** Challenges in Microfinance Sector: Regulatory , Operational and Financial in India	**15**
Unit - 2	**Women's Economic Participation and Development**	
	2.1 Role of Women In Economic Development; Global and Regional Prospective **2.2** Gender Inequality in Economic Participation **2.3** Barriers to Women's Participation: Cultural, Social, legal, institutional and economic Barriers **2.4** Indicators of Measuring Women's Development	**15**
Unit - 3	**Strategies and Schemes for Women's Empowerment**	
	3.1 Strategies: Innovation Approach in Microfinance, Financial Literacy and Skill Development, Non-Financial Services, Partnerships, Training and Advocacy, etc. **3.2 Schemes in India**: Pradhan Mantri Mudra Yojana (PMMY), Mahila Samriddhi Yojana (MSY) Bharatiya Mahila Bank (BMB) Stand Up India, Gender Budgeting etc. **3.4 World Bank** : IFC And CGPA role and Initiatives for Women Empowerments **3.5 International Monetary Fund (IMF):** IMF's Role in Microfinance through Policy advice, technical Assistance and Capacity Building	**15**
Unit 4:	**Case Studies and Practical Applications**	
	4.1 Impact Analysis: Microfinance on Women's Economic Empowerment in India **4.2** Evaluation of Current Microfinance Schemes and Their Effectiveness **4.3** Future Directions and Innovations in Microfinance for Women's Empowerment **4.4** Case Study: Success of Women-Led Businesses under Microfinance	

Approved in BOS Economics Meeting held on 27th July 2024

Suggested Readings	
1.	Krishana, G. R. (2010). *Microfinance in India: A tool for women empowerment*. Manglam Publication
2.	Jayadev, M. (2021). *Microfinance and financial inclusion in India: An overview*. Springer.
3.	Armendariz, B., & Morduch, J. (2007). *The economics of microfinance*. The MIT Press.
4.	Mathu, A., & Bansal, M. (2021). *Gender and development in India: Emerging issues*. Regal Publications
5.	Sen, R. K. (2020). *Microfinance and women's empowerment in India: A development discourse*. Pacific Books International.
6.	Tripathy, S., Dua, P., & Sahoo, M. S. (Eds.). (2020). *Financial inclusion and women empowerment: Perspectives and challenges*. Bloomsbury India
7.	**Harper, M., & Arora, S.** (2005). *Microfinance: Evolution, achievements and challenges*. Practical Action Publishing
8.	**Robinson, M. S.** (2001). *The microfinance revolution: Sustainable finance for the poor*. World Bank Publications
9.	**Ledgerwood, J., Earne, J., & Nelson, C.** (2013). *Microfinance handbook: An institutional and financial perspective*. World Bank Publications
10.	Bery, S. (2012). *Women and economic development: The role of microfinance*. Routledge

Recommended Journals, Reports and Websites:

1. Economic Survey of India (latest)
2. The Bharat Microfinance Report" by Sa-Dhan
3. "Microfinance in India: A State of the Sector Report" by ACCESS Development Services
4. MicroSave Consulting - microsave.net
5. National Bank for Agriculture and Rural Development (NABARD) - nabard.org
6. Vision-of-microfinance-in-India https://www.pwc.in/assets/pdfs/consulting/financial-services/
7. **Women's World Banking** - womensworldbanking.org
8. **Microfinance Gateway** - microfinancegateway.org

9. Men and Women in India 2022 https://mospi.gov.in/publication/women-men-india-2022
10. World Bank : https://www.worldbank.org OR https://www.worldbank.org/en/topic/gender/overview
11. IMF: https://www.imf.org
12. Indian Micro Finance Report: https://mfinindia.org
13. Indian Mfinance report-2022 Pdf: https://mfinindia.org/assets/upload_image/publications/Studies/FY%2021-22_MFIN%20India%20Microfinance%20Review.pdf