

**SRI SARADA COLLEGE FOR WOMEN (AUTONOMOUS)**

**SALEM – 16**

**Reaccredited with 'B++' Grade by NAAC**

**Affiliated to Periyar University**



***PG & RESEARCH DEPARTMENT OF ECONOMICS***

**OUTCOME BASED SYLLABUS**

**M.A. ECONOMICS**

**For Students Admitted in 2024-2025 onwards**

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**M.A. ECONOMICS  
PROGRAMME OUTCOMES**

- PO1 Academic Proficiency:** To understand theoretical and analytical aspects with advanced economic theories and concepts, innovative combination of fundamental and applied training in order to provide stakeholders with essential knowledge of global, comparative and transnational issues in Economics, as well as specific expertise and skills related to the practice of applied Economics.
- PO2 Personal and Professional Proficiency:** Develop the theoretical, interdisciplinary training necessary for the understanding the application of Economics, Economic policies, theories of various schools of Economics, sectoral studies covering important issues related to regional, national and International subjects and many others.
- PO3 Research Proficiency:** Demonstrate a thirst for advanced learning and research in their domain of interest so as to address economic and social related problems faced by the society and also to encourage the application of knowledge by concentrating on research work and by providing an opportunity to engage in research and giving solution for the society related problem and frame policy and planning for the social welfare.
- PO4 Entrepreneurial and Social Proficiency:** Exhibit competent skills to become successful entrepreneurs and leaders who will engage in policy making and apply economic theory to real world issues as well as critically evaluate market economy, public policies and to create huge level of employment opportunities, by creating new products and services, it will stimulate new employment which ultimately resulting in acceleration of economic development and consider the importance of economic growth.
- PO5 Social ethics and environmental responsibilities:** Emerge as responsible citizens who engage in activities that promote wellness in the community and environmental sustainability and apply moral and ethical standards on interpersonal and social levels to demonstrate integrity on economic, social, political, cultural and environmental issues.

**M.A. ECONOMICS**  
**PROGRAMME SPECIFIC OUTCOMES**

- PSO1:** Demonstrate an understanding of complex economics mechanism that characterise modern society and to develop ability to present economic theory and applications in decision making in real life.
- PSO2:** Analyse and investigate economic theory and issues in the field of economics as well as contemporary socio-economic problems along with formulation and analyses of policy; and to understand how economy is influenced by economic policy and planning, technological advances and demographic conditions.
- PSO3:** To adopt the digital advancement in the field to understand complex economic mechanism using statistical tools and packages and to embrace new opportunity in emerging technology and also to develop the ability to explain core economic terms, concepts, and theories including but not limited to the function of market and prices as allocative mechanisms; benefit/cost analysis; market failure and role of state; and other critical areas of economics.
- PSO4:** Develop understanding of economic trade-offs and social values, impact public/private socio-economic policy for the achievement of intended outcomes which provide skills to become empowered and forecast outcomes of the policy as an entrepreneur employed in various positions.
- PSO5:** Demonstrate the ability to employ the “economic way of thinking.” i.e. the ability to use critical thinking skills within the discipline of economics about economic matters, social and moral ethics and to construct systematic model for analysis and make use of knowledge on finance, health, environmental economics to formulate policies for sustainability on community and protective environment.

**SRI SARADA COLLEGE FOR WOMEN [AUTONOMOUS], SALEM-16.**  
**PG & RESEARCH DEPARTMENT OF ECONOMICS**  
**M.A. ECONOMICS**  
**PROGRAMME STRUCTURE UNDER CBCS**  
**(For the students admitted in 2024-25 onwards)**  
**Total Credits: 91 + Extra Credits (Maximum 16)**

<b>SEMESTER – I</b>				
<b>Course</b>	<b>Course Title</b>	<b>Code</b>	<b>Hrs/Week</b>	<b>Credits</b>
Core Course – I	Advanced Micro Economics	24PECCC1	7	5
Core Course – II	Indian Economic Development and Policy	24PECCC2	6	5
Core Course – III	Statistics for Economists	24PECCC3	7	4
Elective – I	Rural Economics / Modern Economic Thought	24PECDSEC1A/ 24PECDSEC1B	5	3
Elective – II	Welfare Economics/ Regional Economics	24PECDSEC2A/ 24PECDSEC2B	5	3
<b>Total</b>			<b>30</b>	<b>20</b>
Extra Skills	<ul style="list-style-type: none"> <li>• <i>Value Education – 1 Extra Credit</i></li> <li>• <i>Physical Fitness Practice – 1 Extra Credit</i></li> <li>• <i>Productive Preparation for NET/SET/JRF – I (24PECSC1)</i> <i>(Self-Study – 1 Extra Credit)</i></li> </ul>			

<b>SEMESTER – II</b>				
<b>Course</b>	<b>Course Title</b>	<b>Code</b>	<b>Hrs/Week</b>	<b>Credits</b>
Core Course – IV	Monetary Economics	24PECCC4	6	5
Core Course – V	Labour Economics	24PECCC5	5	5
Core Course – VI	Mathematical Economics	24PECCC6	5	4
Elective – III	Gender Economics/ Urban Economics	24PECDSEC3A/ 24PECDSEC3B	4	3
Elective – IV	Resource Economics/ Economics of Climate Change	24PECDSEC4A/ 24PECDSEC4B	4	3
Extra Disciplinary Course	Economics of Insurance	24PECEDC1	4	2
Common Subject	Human Rights	24PHRSC	2	1
<b>Total</b>			<b>30</b>	<b>23</b>
Extra Skills	<ul style="list-style-type: none"> <li>• <i>Value Education – 1 Extra Credit</i></li> <li>• <i>Physical Fitness Practice – 1 Extra Credit</i></li> <li>• <i>Life Skills Promotion – 1 Extra Credit</i></li> <li>• <i>Productive Preparation for NET/SET/JRF – II (24PECSC2) (Self-Study – 1 Extra Credit)</i></li> <li>• <i>Society Connect Activity – 1 Extra Credit</i></li> </ul>			

Internship/Industrial Activity during the summer vacation at the end of second semester

<b>SEMESTER – III</b>				
<b>Course</b>	<b>Course Title</b>	<b>Code</b>	<b>Hrs/Week</b>	<b>Credits</b>
Core Course – VII	Advanced Macro Economics	24PECCC7	6	5
Core Course – VIII	Public Economics	24PECCC8	6	5
Core Course – IX	Research Methodology	24PECCC9	6	5
Core Course – X	Econometric Methods (Industry Module)	24PECCC10	6	4
Elective – V	Environmental Economics/ Economics in Everyday Life	24PECDSEC5A/ 24PECDSEC5B	3	3
Extra Disciplinary Course	Entrepreneurial Development	24PECEDC2	3	2
Internship/ Industrial Activity	Skill Enhancement in Companies and Institutions	24PECI	-	2
<b>Total</b>			<b>30</b>	<b>26</b>
Extra Skills	<ul style="list-style-type: none"> <li>• <i>Value Education – 1 Extra Credit</i></li> <li>• <i>Physical Fitness Practice – 1 Extra Credit</i></li> <li>• <i>Productive Preparation for NET/SET/JRF – III (23PECSC3) (Self-Study – 1 Extra Credit)</i></li> <li>• <i>Society Connect Activity – 1 Extra Credit</i></li> </ul>			

**Programme Title: M.A Economics**

**Course Title: Core-I: Advanced Micro Economics**

**Course Code: 24PECCC1**

**Hours/Week: 7**

**Semester: I**

**Credit: 5**

**Course Objective:**

- C1 To make the students to understand consumer behavior with the theories of Demand and Production.
- C2 To elaborate various market structure and the theories of distribution.

## **SYLLABUS**

**Unit-I: Consumer Choice**

**(Hours: 21)**

Cardinal and ordinal utility - Indifference curve approach – Slutsky's Decomposition of price effect into substitution effect and income effect – Consumer surplus - Marshall's and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem- and derivation of Marginal Utility schedule for money income.

**Unit-II: Economics of Information**

**(Hours: 21)**

Informational asymmetry – Choice under Uncertainty - N-M Index – Inter-temporal choice -Market for lemons- Adverse selection – Insurance market and adverse selection – Solution to principal agent problem- Hidden action (Moral Hazard) - Signaling and Screening.

**Unit-III: Market Structure Models**

**(Hours: 21)**

- a. Perfect competition – Price and output determination – Optimum firm-
- b. Monopoly – Short run and long run equilibrium - Price discrimination monopoly control, and regulation – Contestable Market-
- c. Monopolistic competition–Chamberlin Model- selling costs - Excess capacity –
- d. Oligopoly – Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models - Cournot- Bertrand – Chamberlin – Edgeworth –Sweezy – Stackelberg- Oligopoly - Collusive Models - Cartels and mergers -Price leadership - Base point price system
- e. Monopsony – Price and output determination – Workable competition.

**Unit-IV: Alternative Theories of Firm**

**(Hours: 21)**

Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos-Labini Model- Modigliani's Models- Input-output model -Linear programming applications in decision making- Peak Load Pricing – Administered Pricing- Purchasing Power Parity Price.

**Unit-V: Distribution Theories**

**(Hours: 21)**

Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; - Modern theory of distribution – Factor Pricing in imperfect product and factor markets- Determination of Wages –Labour supply and wage determination – Role of trade unions and collective bargaining- Theories of Interest- Theories of Profit.

**Book for Study:**

1. Jhingan M.L, (2004 Reprint)Advanced Economic Theory (Vrindha Publications (P) Ltd., New Delhi.

- Agarwal, H.S. Micro Economic Theory, (Ane's Books Pvt. Ltd.,) New Delhi.

**Books for Reference:**

- Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi).
- Ruffin Roy. J (1992), Intermediate Micro Economics Harper & Collins Publishers.
- Koutsyiannis A. (1978), Modern Micro Economics, (Macmillan- London).

**Web Resources:**

- <http://open.oregonstate.education/intermediatemicroeconomics/chapter/module-1>
- [http://saylordotorg.github.io/text\\_introduction-to-economic-analysis/s16-monopoly.html](http://saylordotorg.github.io/text_introduction-to-economic-analysis/s16-monopoly.html)
- [http://saylordotorg.github.io/text\\_introduction-to-economic-analysis/s17-games-and-strategic-behaviour.html](http://saylordotorg.github.io/text_introduction-to-economic-analysis/s17-games-and-strategic-behaviour.html)

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	To illustrate and analyse the theories of consumer behavior	K1, K2, K4
CO2	To illustrate and identify the choice under uncertainty.	K2, K3
CO3	To compare how price and output is determined in different market situations and evaluate the market structures	K2, K4, K5
CO4	To identify and examine the alternative theories of firms.	K3, K4
CO5	To define, explain, and compare the theory of distribution.	K1, K2, K4

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3.0	3.0	3.0	3.0	3.0

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-II: Indian Economic Development and Policy**

**Course Code: 24PECCC2**

**Hours/Week: 6**

**Semester: I**

**Credit: 5**

**Course Objective:**

- C1 To provide a macroeconomic understanding of the Indian Economy.
- C2 The students become aware of various challenges of the Indian Economy.

## **SYLLABUS**

### **Unit-I: Introduction**

**(Hours: 18)**

Growth and Structural Change Indian economy at Independence- The policy framework: statist policy, transition to market-oriented policy, role of erstwhile Planning Commission and NITI Aayog- Two phases of growth (1950-1980 and 1980 onwards), factors underlying turnaround- Structural change in Indian economy.

### **Unit-II: Agricultural and Industrial Sector**

**(Hours: 18)**

Agricultural and Industrial Sectors - Agricultural Sector Performance of agricultural sector, factors determining agricultural growth - Factors underlying food inflation- Agricultural price policy and food security Industrial Growth - Industrial growth before and after reforms - Dualism in Indian manufacturing- Issues in performance of public sector enterprises and privatization.

### **Unit-III: Fiscal Developments**

**(Hours: 18)**

Fiscal Developments, Finance and External Sector Expenditure trends- GST: rationale and impact- Evolution of the financial sector in post-liberalization period- External sector performance: emergence of India as major exporter in services, performance of manufacturing sector.

### **Unit-IV: Poverty and Inequality**

**(Hours: 18)**

Poverty and Inequality - Measuring poverty in India: Selection of poverty lines- Poverty in pre and post liberalization periods- Impact of growth on poverty- PDS vs cash transfers, feasibility of universal basic income in India - Inequality in India in pre and post liberalization periods.

### **Unit-V: Social Sector**

**(Hours: 18)**

Social Issues Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation- Employment: changing nature of employment in India, "jobless growth"- Labour in informal sector- India's graphic transition.

### **Book for Study:**

1. Sundaram K P M.,(2002),Indian Economy , 42 revised edition., S.Chand Publications
2. Misra,S, &Puri, V.,(2020.), Indian Economy, Revised Edition., S.Chand



Publications

**Books for Reference:**

1. KaushikBasu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
2. Uma Kapila (Ed.) (2018), Indian Economy since Independence, Academic Foundation, New Delhi, 29th Edition.
3. AshimaGoyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press.

**Web Resources:**

1. <https://www.adb.org/countries/india/economy>
2. <https://www.oecd.org/economy/india-economic-snapshot/>
3. <https://www.indiabudget.gov.in/economicsurvey/>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Understand the Structural change in Indian economy	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> , K <sub>4</sub>
CO2	Assess the Performance of agricultural and Industrial sector	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> , K <sub>4</sub>
CO3	Ability to learn the trends in the economy	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> , K <sub>4</sub> , K
CO4	Understand the Impact of Poverty	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> , K <sub>4</sub>
CO5	Identify Social Issues like Unemployment, Gender disparities	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> , K <sub>4</sub>

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	2	3
<b>Weightage</b>	15	15	15	13	15
<b>Weighted percentage of Course Contribution to POs</b>	3	3	3	3	2.6

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-III: Statistics for Economists**

**Course Code: 24PECCC3**

**Hours/Week: 7**

**Semester: I**

**Credit: 4**

**Course Objective:**

- C1 To provide a strong foundation in statistical concepts and develop skills in data handling and research.
- C2 The course facilitates in inferring the intensity of relationship between multiple variables and building appropriate statistical models. The models thus formulated can be tested for their significance and can be used for forecasting.

### **SYLLABUS**

#### **Unit-I: Probability**

**(Hours: 21)**

Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem - Theoretical Distributions - Binomial, Poisson and Normal.

#### **Unit-II: Sampling and Hypothesis Testing**

**(Hours: 21)**

Sampling Theory - Types of Sampling - Sampling Distributions - Parameter and Statistic - Testing of Hypothesis - Level of Significance - Type I and Type II Errors - Standard Error - Properties of Estimator.

#### **Unit-III: Test of Significance Large and Small Sample**

**(Hours: 21)**

Difference between Large and Small Samples - Test of Significance for Large Samples - Test for Two Means and Standard Deviations - Proportion and Confidence Interval - Small Sample Test – t-test - Paired t- test - Chi-square Test- Test of Goodness of Fit.

#### **Unit-IV: Analysis of Variance**

**(Hours: 21)**

F test: Assumptions in F test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.

#### **Unit-V: Statistical Decision Theory**

**(Hours: 21)**

Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value - Decision Tree Analysis: Symbols - Steps - Advantages and Limitations.

**Book for Study:**

1. Gupta S.P., Statistical Methods, Sultan Chand and Sons, New Delhi, 2017.
2. Anderson, Sweeney and Williams, “Statistics for Business and Economics”, Cengage, 2014.

**Books for Reference:**

1. Aggarwal. Y.P (2002), “Statistics Methods – Concepts Application and Computation”, Sterling Publishers Private Ltd., New Delhi.

2. Vittal P.R.,Mathematical Statistics, Margham Publications
3. Pillai R.S.N. andBagavathi V (2010), Statistics, Sultan & amp; Chand Sons, NewDelhi.

**Web Resources:**

1. <https://www.statista.com>.
2. <https://techjury.net>
3. [https://dss.princeton.edu/online\\_help/analysis/interpreting\\_regression.htm](https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm)

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Summarize the basic Probability rules and understand theoretical distributions.	K1 & K2
CO2	Acquire knowledge on the various sampling methods and testing of Hypotheses	K2 & K3
CO3	Use t test and chi square for analysis	K4
CO4	Understand the importance of one and two way ANOVA	K5
CO5	Know the various Decision making tools available	K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	2	3	2	2
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	2	3	3	2	3
<b>Weightage</b>	14	13	15	13	14
<b>Weighted percentage of Course Contribution to POs</b>	2.8	2.6	3	2.6	2.8

*1-Low; 2-Medium; 3-High*

**Programme Title: M.A Economics**

**Course Title: Elective - I: Rural Economics**

**Course Code: 24PECDSEC1A**

**Hours/Week: 5**

**Semester: I**

**Credit: 3**

**Course Objective:**

- C1 To understand rural economic development in India
- C2 To know about the Rural Empowerment Programs initiated by Government of India

### **SYLLABUS**

#### **Unit-I: Introduction to Rural Economics**

**(Hours: 15)**

Nature and Scope of Rural Economics - Inter-disciplinary approach of Rural Economics –Components - Structure and Characteristics -Pre and Post-independence - Rural Development: Meaning, Nature and Scope - Factors Affecting Rural Growth.

#### **Unit-II: Rural Resources and Rural development theories**

**(Hours: 15)**

Rural Resources: Nature, Types and Magnitude - Rural Resources Management and Development - Application of Technology in Rural Development – Problems and prospects - W.W. Rostow's - Lewis-Fei-Ranis and Gandhian Approach to Rural Development.

#### **Unit-III: Rural Demography and Occupational Structure**

**(Hours: 15)**

Demography: Population Size, Sex and Age Composition - Density of Population- Population Problems and Challenges – Family Welfare Measures in Rural India - Occupational Structure: Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.

#### **Unit-IV: Rural Poverty and Unemployment**

**(Hours: 15)**

Rural Poverty: Meaning, Estimates, Causes and Consequences – Unemployment: Meaning, Types and Magnitude of Rural Unemployment - Causes and Consequences - National Programmes for Rural Development - Community Development Programmes and Employment Guarantee Schemes.

#### **Unit-V: Rural Empowerment Programmes**

**(Hours: 15)**

Bharat Nirman, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act - Agencies for Rural Development: Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.

**Book for Study:**

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.

**Books for Reference:**

1. Singh, K., & Shishodia, A. (2016). Rural development: Principles, policies, and management. SAGE Publishing India.
2. Hoff, K., Braverman, A., & Stiglitz, J. E. (1993). The economics of rural organization. Oxford: Oxford University Press.
3. Hill, B., & Ray, D. (1987). Economics for agriculture: food, farming and the rural economy. Basingstoke, UK: Macmillan Education.

**Web Resources:**

1. <https://www.kobo.com/us/en/ebooks/public-finance>
2. <https://www.amazon.in/PUBLIC-FINANCE-AMBAR-GHOSH-ebook/dp/B07W5F2P1Q>
3. [https://www.niti.gov.in/sites/default/files/2021-08/11\\_Rural\\_Economy\\_Discussion\\_Paper\\_0.pdf](https://www.niti.gov.in/sites/default/files/2021-08/11_Rural_Economy_Discussion_Paper_0.pdf)

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	To label and interpret the nature and scope of rural economics.	K1,K2,
CO2	To define and demonstrate the theories of rural development and rural resources.	K1,K2,
CO3	To recall, outline and determine rural demography and occupation structure.	K1,K2,K5,
CO4	To organize, examine and evaluate rural poverty and unemployment.	K3,K4,

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3.0	3.0	3.0	3.0	3.0

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Elective - I: Modern Economic Thought**

**Course Code: 24PECDSEC1B**

**Hours/Week: 5**

**Semester: I**

**Credit: 3**

**Course Objective:**

- C1 To trace the ideas of Modern Economists
- C2 To understand the contribution of the Economists.

## **SYLLABUS**

**Unit-I: Classical Economic Thought (Hours: 15)**

Economic ideas of Irving Fisher –The Quantity theory of Money- Theory of Interest. Joseph Alois Schumpeter - Method of Study –Deductive Method –Inductive Method-Theory of Economic Development- Role of Entrepreneur – Innovation-Business Cycles – Capitalism and Socialism . J.K. Galbraith – The objective of Economic Progress- Concept of Countervailing Power.

**Unit-II: Neo Classical Economic Thought (Hours: 15)**

Ragnar Nurske – Foreign Resources – Capital Formation –Disguised Unemployment ,Mrs- Joan Robinson –Imperfect Competition – F.Y .Edgeworth –Mathematical Economic Analysis –Three Dimensional Utility

**Unit-III: Keynesian Economic Thought (Hours: 15)**

Lord Lionel Robbins – Definition of Economics-Causes of Depression -Milton Friedman – Quantity Theory of Money –Permanent Income Hypothesis ,Friedman and Savage Hypothesis , Paul A.Samuelson –Impact of Keynesian Economics –Revealed Preference Theory –Business Cycles –Social Welfare Function-Samuelson’s Utility Possibility Approach.

**Unit-IV: Post Keynesian Economic Thoughts (Hours: 15)**

Ideas of Modern Indian Economists-R.K.Mukerjee- Institutional theory of Economics-Regional Economics - Ecological Theory of Population -Planning in India, J.K.Mehta – Static and Dynamic Economics -Economics of Welfare -Economics of Growth and Development-Economics of Fast.

**Unit-V: Indian Economists (Hours: 15)**

C.N.Vakil -Planning- Wage -Goods Model-Role of Technological Progress-Poverty - Deficit Financing and Public Expenditure, V.K.R.V.Rao -Economic Activities -Institutional Development-Deficit Financing-Fiscal Policy-Human Factor in Economic Growth-Amartya Kumar Sen – Poverty and Famine ,Poverty and Inequality-Concept of Capability-Entitlement -Choice of Techniques.

**Book for Study:**

1. Dr.U.C.Kulshrestha (1994 ) ,History of Economic Thought ,Lakshmi NarainAgarwal
2. Dr.S.Sankaran (2006) ,A History of Economic Thought ,Margham Publications

**Books for Reference:**

1. Eric Roll (1956) A History of Economic Thought, Prentice Hall, Inc, U.S.A,
2. Dr.PankajSrivastava (2018) Economic Thinkers , DND Publications ,Jaipur
3. M.L.Jhingan,M.Girija and L.Sasikala (2011),History of Economic Thought, Vrindha Publications

**Web Resources:**

1. <https://ebrary.net/112930/history/a-brief-history-of-economic-thought>
2. <https://www.exploring-economics.org>
3. <https://www.econlib.org>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Understand modern economic concept of role of Entrepreneur Innovation, Business Cycles and Capitalism and Socialism.	K <sub>1</sub> , K <sub>2</sub> , K <sub>4</sub>
CO2	Ability to understand about Capital Formation, Disguised Unemployment Imperfect Competition and Mathematical Economic Analysis	K <sub>1</sub> ,K <sub>2</sub> , K <sub>3</sub> ,K <sub>4</sub>
CO3	Understand the ideas of Permanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach	K <sub>1</sub> ,K <sub>2</sub> , K <sub>4</sub>
CO4	Gain knowledge about the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population - Economics of Growth and Development-Economics of Fast	K <sub>1</sub> , K <sub>2</sub> , K <sub>4</sub>
CO5	Understand economic ideas like role of Technological Progress-Poverty - Deficit Financing and Public Expenditure, Human Factor in Economic Growth and Inequality and Concept of Capability	K <sub>1</sub> ,K <sub>2</sub> ,K <sub>3</sub> ,K <sub>4</sub>

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3	3	3	3	3

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Elective - II: Welfare Economics**

**Course Code: 24PECDSEC2A**

**Hours/Week: 5**

**Semester: I**

**Credit: 3**

**Course Objective:**

- C1 To enable students to understand the fundamentals as well as development in the field of Welfare Economics.
- C2 To show the importance of welfare Economics compared to that of wealth Economics

### **SYLLABUS**

**Unit-I: Introduction to Welfare Economics**

**(Hours: 15)**

Welfare Economics: Meaning- Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties - Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham’s Utilitarianism- Pigouvian Welfare Economics.

**Unit-II: Approaches to Welfare**

**(Hours: 15)**

Cardinal and Ordinal Approaches- Hicks’s Four Measures of Consumers’ Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.

**Unit-III: Pareto Optimality Conditions**

**(Hours: 15)**

Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions –Externalities – Public Goods and Market Failure – Theory of Second Best.

**Unit-IV: New Welfare Economics**

**(Hours: 15)**

New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve -Shortcomings – Scitovsky Paradox – Scitovsky’s Double Criterion of Welfare– Little’s Criterion.

**Unit-V: Theories of Social Choice**

**(Hours: 15)**

Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow’s Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice.

**Book for Study:**

1. Verma K.N ( 2012 ) Microeconomic Theory ,Vishal Publishing House
2. Per –Olov Johannson(2009) An introduction to Modern Welfare Economics, Cambridge University Press

**Books for Reference:**



1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.

**Web Resources:**

1. <https://conceptually.org/concepts/pareto-principle>
2. <https://web.stanford.edu/~jdlevin/Econ 202/General Equilibrium.pdf>
3. <https://policonomics.com/lp-welfare-economics1-general-equilib...>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Summarize the Contribution to Welfare Economics	K1,K2
CO2	Analyse the different approaches to Welfare Economics	K3,K4,
CO3	Interpret the development of Pareto Optimality Conditions	K1,K2,K3
CO4	Explain the compensation Criteria of Economics	K2,K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	2	3	2	3	2
CO3	3	3	2	3	2
CO4	2	3	2	3	2
<b>Weightage</b>	10	12	8	12	9
<b>Weighted percentage of Course Contribution to POs</b>	2.5	3	2	3	2.3

*1-Low; 2-Medium; 3-High*

**Programme Title: M.A Economics**

**Course Title: Elective - II: Regional Economics**

**Course Code: 24PECDSEC2B**

**Hours/Week: 5**

**Semester: I**

**Credit: 3**

**Course Objective:**

- C1 To equip the analytical skills required to analyse the regional economic issues
- C2 To understand Regional economic growth in India

## **SYLLABUS**

### **Unit-I: Introduction to Regional Economics**

**(Hours: 15)**

Nature and scope of regional economics – Regional economics and regional science – Regional and Urban Economics: Need for a separate study of regional economics – Concept and types of regions: Administrative, Planning, Agro-climatic, Economic and Functional regions.

### **Unit-II: Approaches to Regional Growth**

**(Hours: 15)**

Approaches to regional growth: Models of regional, inter-regional and multi-regional models; Export base models – Location Theory - Gravity models – Shift-share analysis.

### **Unit-III: Theories of Regional Economic Growth**

**(Hours: 15)**

Neoclassical models – Dualistic models: Social dualism – Labour surplus model of Arthur Lewis- Migration and development: Harris-Todaro – Core-Periphery models: Myrdal's Cumulative Casuation Hypothesis – Regional Input-output models - New Economic Geography models: Paul Krugman's model of industrial location and development.

### **Unit-IV: Regional Economic Growth in India**

**(Hours: 15)**

Administrative regions in India: State, District, Taluk and Village; Urban and Rural regions - Concept, definition and measure of State Income (GSDP) – Rural and urban GDP – Differences in estimation of national income (GDP) and State Income (GSDP) - Measurement of interregional economic growth at State level.

### **Unit-V: Regional Aspects of Stabilization and Growth Policy**

**(Hours: 15)**

Post-war Regional Cyclical Behaviour and Policy Measures for Stabilization, Theories to Explain Regional Differences in Growth, Fiscal Programmes, Tax and Transfer Programmes, Fiscal Responses of Power Level Governments, Regional Orientation to Policy Programmes and Central Responsibility.

### **Book for Study:**

1. Capello Roberta. (2016). *Regional Economics*. Routledge (New York).
2. Temple, M. (1994). *Regional economics*. St. Martin's Press.

### **Books for Reference:**

1. Harry W Richardson (1973): *Regional Growth Theory*, Macmillan.

2. Harry W. Richardson. (1970). Elements of Regional Economics. Penguin Books (New York).
3. Harry W Richardson (1969): Regional Economics: Location theory, Urban structure and regional change, Weidenfeld & Nicolson (London)

**Web Resources:**

1. <http://www.rri.wvu.edu/WebBook/Giarratani/contents.htm>
2. <https://researchrepository.wvu.edu › cgi › viewcontent>
3. <https://www.niti.gov.in/sites/default/files/2021-> <https://ddceutkal.ac.in › Syllabus › MA Economics>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Understand the Nature and scope of regional economics and its need	K1, K3, k4
CO2	Discuss the Models of regional, inter-regional and multi-regional models	K4,K5
CO3	Evaluate the various theories of regional economic growth	K2, K3,K4
CO4	Describes the Measurement of interregional economic growth at State level	K4,K4

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	3	2
CO2	3	2	2	3	2
CO3	3	2	3	2	2
CO4	3	3	3	2	3
<b>Weightage</b>	11	10	11	10	9
<b>Weighted percentage of Course Contribution to POs</b>	2.8	2.5	2.8	2.5	2.3

*1-Low; 2-Medium; 3-High*

**Programme Title: M.A Economics**

**Course Title: Core-IV: Monetary Economics**

**Course Code: 24PECCC4**

**Hours/Week: 6**

**Semester: II**

**Credit: 5**

**Course Objective:**

1. The course is devoted to the main issues in modern monetary economics.
2. The factors behind money demand and supply are studied through the set of comprehensive monetary models.

### **SYLLABUS**

**Unit-I: Classical Theories of Money (Hours: 13)**

Demand for money- Quantity Theories of Money – Fisher and Cambridge – Keynesian Monetary Theory – James Tobin's. Portfolio Analysis of Money Demand - Don Patinkin's Integration – Real Balance Effect – Milton Friedman's Reformulated Quantity Theory.

**Unit-II: Supply of Money (Hours: 14)**

Supply of Money – Types and Determinants of Money Supply – Money Multiplier – Theories of Interest Rate – Classical – Keynes – Hicks - Hansen.

**Unit-III: Money and Capital Market (Hours: 15)**

Money and Capital market – Significance and Functions of Money Market and Capital Market – Role of Financial Intermediaries – Effects of Financial Intermediation – Non- banking Financial institutions – Gurley and Shaw Theory.

**Unit-IV: Banking and its Functions (Hours: 17)**

Banking Functions of Commercial banks – Credit Creation – Process and Limitation – Role of Commercial Banks after Nationalization – After Reforms. Role of RBI – Regulation of Money Supply and Credit – Narasimham Committee Reports – 1991 and 1998 – Raguram Rajan Committee Report – 2007.

**Unit-V: Monetary Policies (Hours: 16)**

Monetary Policy: Objectives and Instruments of Monetary Policy – Limitations of Monetary Policy- Monetarism and Keynesianism – Comparison – Supply Side Policies.

**Books for Study:**

1. Jhingan, M.L. (2005), Monetary Economics [Konark Publication, New Delhi].
2. Sundaram, K.P.M. (2003), Money, Banking and International Trade [Vikas, New Delhi].

**Books for Reference:**

1. Bain, Keith and Howells, Peter: Monetary Economics: Policy and its theoretical Basis, Palgrave Macmillian, 2nd Edition, 2009
2. Vaish, M.C. (2004), Money, Banking and International Trade [New

Age International, New Delhi].

- Mishkin .S. Frederic-The Economics of Money ,Banking and Financial Markets, Pearson Publication, 11th Edition, 2015

**Web Resources:**

- [https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman- ebook/dp/B00EXOTZ96](https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman-ebook/dp/B00EXOTZ96)
- <https://link.springer.com/book/10.1057/9780230280854>
- <https://www.rbi.org.in/scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	To list out and outline the theories of money.	K1,K2,
CO2	To explain construct and distinguish various determinate of money supply and multiplier.	K2,K3,K4,
CO3	To label, explain and evaluate the demand for money.	K1,K2,K5
CO4	To define, illustrate and importance of theories of interest.	K1,K2,K5,
CO5	To interpret and make use of monetary policy.	K2,K3,

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3.0	3.0	3.0	3.0	3.0

*1-Low; 2-Medium; 3-High*

**Programme Title: M.A Economics**

**Course Title: Core - V: Labour Economics**

**Course Code: 24PECCC5**

**Hours/Week: 5**

**Semester: II**

**Credit: 5**

**Course Objective:**

1. To enable and acquire the knowledge relating to the significance of labour market.
2. To understand the man power in Economic Development

## **SYLLABUS**

### **Unit I: Labour Market and Policies (Hours: 15)**

Labour Market- Nature and Characteristics, Demand for Labour in relation to size and pattern of investment, Choice of technologies and labour policies  
Supply of Labour, Growth of Labour Force, Labour Market Policies, Mobility and Productivity

### **Unit II: Employment and Wage Determination (Hours: 15)**

Employment and Development relationship- poverty and unemployment, Unemployment- Types, concepts and measurement, Employment Policy Wage Determination- Classical, Neo- classical and Bargaining theories; Concepts of minimum wage and efficiency wage; Non-wage component

### **Unit III: Trade Union Movement (Hours: 15)**

Since Independence and Present Scenario of the Trade Union Movement – AITUC – INTUC – HMS – UTUC – Association of Indian Trade Unions with International Trade Unions – Problems of Trade Unions – Essentials for success of a Trade Union - The Trade Union Act, 1926- Recent policies relating to Trade union act

### **Unit IV: Industrial Relation (Hours: 15)**

Need for Industrial Relation Machinery-Preventive and Curative methods- Collective Bargaining, Arbitration and Adjudications-industrial Democracy, the concept of Workers participation in management- Role of State in Industrial Relations.

### **Unit V: Social Security and Reforms (Hours: 15)**

Social Security- Concepts and evolution, Social assistance and insurance, Review and Appraisal of State Policies, Special Problems- Child labour, discrimination, bonded labour-Labour market Reforms- Exit Policy, safety requirements, National Commission on Labour, Globalisation and labour markets, mobility of labour.

**Books for Study:**

1. Tyagi P.B.(1995),Labour Economics and Social welfare,(JaiprakashNath&Co.Meerut),
2. Baholiwal T.N.(1981), Economics of Labour and Industrial Relations,(SahityBhawan, Agra).

**Books for Reference:**

1. Pant C.(1978),Indian Labour Problems,(Allahabad,Chaitanya Publishing House).
2. Singh S.S., and Metha S.(1989),Labour Economics,(Ajanta Prakasham New Delhi).
3. Giri V.V.(1985),Labour Problems in Indian Industry (Asia Publishing House,Bombay).

## Web Resources:

1. [https://fac.ksu.edu.sa > sites > default > files > Moder..](https://fac.ksu.edu.sa/sites/default/files/Moder..)
2. [http://students.aiu.edu > resources > onlineBook > q...](http://students.aiu.edu/resources/onlineBook/q...)
3. [http://assets.vmou.ac.in > PGDLL06](http://assets.vmou.ac.in/PGDLL06)

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Study the recent trends of labour and their Productivity	K1, K3, K4
CO2	Assess the determination of employment and Wages	K3,K4
CO3	Understand the trade unions and their impact on labour market	K1, K4,K5
CO4	Evaluate the Industrial relation	K3,K4
CO5	Analyze the current trends of social security Measures	K1,K4,K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	3	2
CO2	2	3	2	3	2
CO3	3	2	3	2	3
CO4	2	2	3	2	3
CO5	3	2	3	2	3
<b>Weightage</b>	12	12	15	14	13
<b>Weighted percentage of Course Contribution to POs</b>	2.4	2.4	3	2.8	2.6

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core - VI: Mathematical Economics**

**Course Code: 24PECCC6**

**Hours/Week: 5**

**Semester: II**

**Credit: 4**

**Course Objective:**

1. The paper aims to introduce students to the basic building blocks of mathematical analysis used in modern economic theory.
2. To equip the students with mathematical tools and to optimize both static and dynamic economic environment.

### **SYLLABUS**

#### **Unit-I: Introduction to Linear Algebra**

**(Hours: 13)**

Sets-Basic concepts-Ordered sets-Relations-Order relations-Metric Spaces-open and closed sets- Convergence - Linear Algebra , Vectors, matrices, inverse, simultaneous linear equations, Cramer's rule for solving system of linear equations, input-output model, open and closed models , quadratic equation, characteristic (eigen) roots and vectors.

#### **Unit-II: Differential Calculus**

**(Hours: 14)**

Introduction to Functions, Limits and Continuity, Derivatives –Concept of maxima& minima, elasticity and point of inflection. Profit & revenue maximization under perfect competition, under monopoly. Maximizing excise tax revenue in monopolistic competitive market, Minimization of cost etc.

#### **Unit-III: Optimization Techniques with Constraints**

**(Hours: 15)**

Functions of Several Variables: Understanding functions of several variables - Partial and Total Derivatives: Introduction to partial and total derivatives and their economic applications - Constrained Optimization: Lagrangian Multiplier Technique, Vector and Matrix Differentiation, Jacobian and Hessian matrices and their applications in economics.

#### **Unit-IV: Linear and Non-Linear Programming**

**(Hours: 17)**

Optimization with Inequality Constraints- Linear Programming–Formulation- Primal and Dual- Graphical and Simplex method-Duality Theorem-Non-Linear Programming-Kuhn-Tucker Conditions- Economic Applications.

#### **Unit-V: Economic Dynamics**

**(Hours: 16)**

Differential Equations-Basic Ideas-Types-Solution of Differential Equations (Homogenous and Exact)-Linear Differential Equations with Constant Coefficients (First and Second Order)- Applications- Solow's Model-Harrod-Domar Model- Applications to Market models- Difference Equations - Types-Linear Difference Equations with Constant Coefficients (First and Second order) and solutions – Applications- Samuelson's Accelerator-Multiplier model.

**Books for Study:**

1. Geoff Renshaw,(2016)Maths for Economics, 4E Oxford University Press.
2. Mabbet A J(1986) Workout Mathematics for Economists, Macmillan



Master Series, 4<sup>th</sup> Edition London.

**Books for Reference:**

1. Carter, M. (2001). Foundations of Mathematical Economics, MIT Press.
2. Chiang, A. C. and Wainwright, K. (2005). Fundamental Methods of Mathematical Economics, McGraw-Hill Education.
3. Dowling E. T., Mathematics for economists, Schaum Series (latest edition).

**Web Resources:**

1. <https://www.udemy.com/course/mathematics-for-economists-functions-and-derivatives/>
2. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>
3. <https://www.coursera.org/learn/introduction-to-calculus>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Mastering Fundamental Linear Algebra Concepts	K2
CO2	Application of Differential Calculus in Economic Analysis	K5
CO3	Proficient Use of Advanced Optimization Techniques	K4
CO4	Advanced Problem-Solving through Programming Techniques	K4
CO5	Analysis of Economic Dynamics using Differential Equations	K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3	3	3	3	3

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Elective – III: Gender Economics**

**Course Code: 24PECDSEC3A**

**Hours/Week: 4**

**Semester: II**

**Credit: 3**

**Course Objective:**

1. To evaluate sources of socio-economic and demographic information for analyzing the impact of the gender factor on demographic processes and economic development
2. It enables to foresee the contributions of women as active economic agents and strategies to empower women and reduce gender inequalities.

## **SYLLABUS**

### **Unit-I: Introduction**

**(Hours: 15)**

Demography of female population: Age structure, mortality rates and sex ratio – causes of declining sex ratio and fertility rates in LDCs and in India – Theories and measurement of fertility and its control; Women and their access to nutrition, health, education, social and community resources and their impact on mortality and fertility, economic status and in work participation rate. Female infanticide, feticide laws.

### **Unit-II: Women in Decision Making**

**(Hours: 13)**

Factors affecting decision making by women; property rights, access to and control over economic resources, assets; Power of decision making at household, class and community levels; Economic status of women and its effect on work participation rate, income level, health and education in developing countries and India; Role of kinship in allocating domestic and social resources.

### **Unit-III: Gender Inequality in Labour Markets**

**(Hours: 18)**

Structure of female employment in India, Factors affecting female entry in labour markets; Women in organized and unorganized sector – Indivisibility of women labour in household sector. Studies of female work participation in agriculture. Women in services sector; Wage differentials in female activities; Determinants of Wage differentials; gender, education, skill productivity, efficiency, job security, opportunity; Structure of wages across regions and economic sectors.

### **Unit-IV: Social Security and Social Protection for Women**

**(Hours: 16)**

Social security of women, entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, Self Help Groups in providing social security; Labour market biases and gender discrimination; effectiveness of collective bargaining; Review of legislation for women's entitlements,

protection of property right, social security – Schemes for safety net for women; Need for female labour unions; affirmative action for women and improvement in their economic and social status.

**Unit-V: Social Issues and Women in Indian Planning**

**(Hours: 13)**

Gender and development indices: Mainstreaming gender into development policies; Gender planning techniques; Gender sensitive governance; Paradigm shifts from women’s well-being to women’s empowerment; Democratic decentralization (Panchayats) and women’s empowerment in India.

**Books for Study:**

- Desai, N and M.K.Raj. (Eds.) (1979), Women and Society in India, Research Centre for Women Studies, SNDT University, Bombay.
- Krishnaraj,M., R.M.Sudarshan and A.Shariff (1990), Gender, Population and Development, Oxford University Press, New Delhi.

**Books for Reference:**

1. Seth, M. (2000), Women and Development: The Indian Experience, Sage Publications, New Delhi.
2. Srinivasan K. and A.Shroff (1998), India: Towards Population and Development Goals, Oxford University Press, New Delhi.
3. Venkateswaran, s. (1995), Environment, Development and Gender Gap; Sage Publications, New Delhi.
4. Government of India (1974), Towards Equality – Report of the Committee on the Status of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.

**Web Sources:**

- <https://www.unwomen.org/en/what-we-do/economic-empowerment/facts-and-figures>
- <https://opentextbc.ca/womenintheworld/chapter/chapter-6-women-in-the-economy/>

**Course Outcomes (CO): On completion of the course, students should be able to**

<b>CO Number</b>	<b>CO Statement</b>	<b>Knowledge Level</b>
<b>CO1</b>	Recall the access of women in various areas	<b>K1</b>
<b>CO2</b>	Comprehend the demography of women population	<b>K2</b>
<b>CO3</b>	Identify the sector wise women work participation rate	<b>K3</b>

<b>CO4</b>	Examine the decision-making capacity of women and status of women in labour market	<b>K4</b>
<b>CO5</b>	Analyse the laws and schemes, social security and protection for women	<b>K4</b>
<b>CO6</b>	Build the gender planning techniques and empowerment of women	<b>K5</b>

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

### Mapping of COs with POs

<b>CO /PO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>CO1</b>	2	3	3	3	2
<b>CO2</b>	2	2	2	3	2
<b>CO3</b>	3	2	3	3	2
<b>CO4</b>	2	2	2	2	3
<b>CO5</b>	3	2	3	2	3
<b>Weightage</b>	12	11	14	15	12
<b>Weighted percentage of Course Contribution to POs</b>	2.4	2.2	2.8	3.0	2.4

*1-Low; 2-Medium; 3-High*

**Programme Title: M.A Economics**

**Course Title: Elective - III: Urban Economics**

**Course Code: 24PECDSEC3B**

**Hours/Week: 4**

**Semester: II**

**Credit: 3**

**Course Objective:**

- The course is devoted to the main issues in modern monetary economics.
- The factors behind money demand and supply are studied through the set of comprehensive monetary models.

### **SYLLABUS**

#### **Unit I: Introduction**

**(Hours: 12)**

Definition and Scope of Urban Economics - Sources of Urban Growth – International migration, Trends in growth of urban population in the world – Urbanization and agglomeration economies –Urbanization and urban economic growth – Urbanization and globalization – Role and impact of urbanisation.

#### **Unit II: Economics of Urbanization**

**(Hours: 12)**

The Process of urbanization: Nature and dimensions, factors initiating and perpetuating urbanization process - Characteristics of an economy passing through different stages of urbanization - Classification of urban areas by demographic, geographical and economic criteria- Process of sub-urbanization.

#### **Unit III: Theories of Urban Growth and spatial structure**

**(Hours: 13)**

Christaller's Central Place Theory - The Human Ecological Approach to Urban Growth - Urban Size: Ratchet-Rank Size Rule - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - The Minimization of Costs of Friction Hypothesis -Location Equilibrium of an Urban Firm - The Concentric Zone Hypothesis - Urban Residential Land Use Models: Alonso, Park Burgess.

#### **Unit IV: Urbanization and Labour Market**

**(Hours: 11)**

Urbanisation and Labour Market - Pull and Push Factors for Urbanisation in India - High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities - Growth of formal and Informal economic activities - Labour Force Participation and Distribution of Workers.

#### **Unit V: Urban Problems and Urban Planning**

**(Hours: 12)**

Over Population and congestion - Urban housing problem - Urban environment: Air, Water and Noise Pollution - Urban poverty and inequality - Urban Infrastructure: transport Water Supply, Sanitation and Solid waste management - Need for Urban Planning: Objectives and Techniques - Emerging Planning Process - Comprehensive Development Plan – Master Plan – Jawaharlal Nehru National Urban Renewal Mission - Smart Cities.

**Books for Study:**

1. Shukla, V. (1996) Urbanization and Economic Growth, Himalaya

Publishers Pvt. Ltd (New Delhi).

2. Robert L Bish and Hugh O Nourse (1975), Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

### Books for Reference:

1. O' Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills. (1987). Handbook on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W. C. (1986). *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.

### Web Resources:

1. <https://link.springer.com> > bfm:978-1-349-15661-0 > 1.pdf
2. <https://www.academia.edu> > Urban economics Arthur O..
3. <https://www.ysk-books.com> > show > book > regional-a..

### Course Outcomes (CO): On completion of the course, students should be able to

CO Number	CO Statement	Knowledge Level
CO1	Understand scope of urban economics and urban economic growth	K1, K2, K3
CO2	Describe the process of urbanisation and classification or urban areas	K3, K5
CO3	Evaluate the various theories of urban growth and spatial structure	K2, K4
CO4	Explain the urban Labour Market, Labour Force Participation and Distribution of Workers	K1, K2
CO5	Familiarize the urban problems and planning process.	K1, K4, K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

### Mapping of COs with POs

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	3	2
CO2	3	3	3	3	2
CO3	3	2	3	2	2
CO4	3	2	2	2	3
CO5	3	2	2	2	3
Weightage	14	12	13	14	12
Weighted percentage of Course Contribution to POs	2.8	2.4	2.6	2.8	2.4

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Elective - IV: Resource Economics**

**Course Code: 24PECDSEC4A**

**Hours/Week: 4**

**Semester: II**

**Credit: 3**

**Course Objective:**

1. To trace the resources in the country
2. To understand the quality of the available natural resources.

## **SYLLABUS**

### **Unit I: Introduction**

**(Hours: 12)**

Land Resources in India - Types of soil- Land resource Classification - Forest ,Barren land, Pastures and grazing land, cultural Waste Land, Fallow Land, Agricultural Land -Net Sown Area - Land degradation and soil Erosion- Preventive Measures.

### **Unit II: Role of Resources in Economic Development**

**(Hours: 12)**

Forest Resources-Role of Forests in Economic Development-Forest cover in India- Deforestation-Effects of Deforestation-Urban Forestry - Objectives of Urban Forestry- Social Forestry-Constraints in Social Forestry - Collective Participatory Forest Management – Recent National Forest Policy Act.

### **Unit III: Water Resources in India**

**(Hours: 12)**

Water Resources in India -Surface Water –Ground Water –Water Demand and Utilisation- Water Resource Planning- Multi –objective Approach-Benefit Cost Ratio-Capital outlay-Environmental Impact Assessment (EIA)-Manageability of the project-Sustainable Water Management-Recent National Water Policy.

### **Unit IV: Mineral Resources**

**(Hours: 12)**

Mineral Resources- Metallic Minerals-Non Metallic Minerals –Mineral Fuels- Environmental Costs of Extracting Mineral Resources-Environmental Impacts of Mineral Resource Extraction and Use-Mineral Conservation and Development Rules (1988).

### **Unit V: Conservation and Management of Natural Resources (Hours: 12)**

Conservation and Management of Natural Resources - Meaning and objectives of Conservation. Conservation of Renewable Resources: Soil conservation- Water conservation-Forests conservation-Fish Conservation-Biodiversity Conservation. Conservation of Non Renewable Resources: Energy Conservation-Mineral Conservation.

**Book for Study:**

1. M.L.Jhingan, ChandarK.Sharma (2007) Environmental Economics Theory, Management and Policy, Vrindha Publications, New Delhi
2. G.Paneerselvam (2008) Economics of Natural Resources in India , Abhijeet Publications ,New Delhi

**Books for Reference:**

1. Jon .M.Conrod (2010), Resource Economics ,Cambridge University Press,U.K
2. John C.Bergstrom& Alan Randall (2010), Resource Economics –An Economic Approach to Natural Resource and Environmental Policy, Edward Elgar Pub,Ltd
3. Judith Rees (2019) Natural Resources Allocation Economics and Policy,Routledge,UK

**Web Resources:**

1. <https://www.india.gov.in/topics/environment-forest/natural-resources>
2. <https://ibm.gov.in/writereaddata/files/09182018162439Mineral%20Scenario%20pdf.pdf>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Ability to understand land resources in India and the issues related to it	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub>
CO2	Assess the availability of Forest resources and understand the methods to conserve the resources	K <sub>1</sub> ,K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub>
CO3	Understand the water resources in the country and related environmental issues	K <sub>1</sub> ,K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub>
CO4	Trace the mineral resources in the country	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub>
CO5	Ability to know about conservation of Natural Resources	K <sub>1</sub> ,K <sub>2</sub> ,K <sub>3</sub> ,K <sub>4</sub>

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to POs	3	3	3	3	3

1-Low; 2-Medium; 3-High



**Programme Title: M.A Economics**

**Course Title: Elective - IV: Economics of Climate Change**

**Course Code: 24PECDSEC4B**

**Hours/Week: 4**

**Semester: II**

**Credit: 3**

**Course Objective:**

1. The objective of this course is to analyse climate change from an economic perspective.
2. The problem is characterized as one of regulating a global stock externality in an inter-temporal setting and in the presence of uncertainty and irreversibility.

### **SYLLABUS**

#### **Unit I: Introduction**

**(Hours: 12)**

Science of climate change; global and regional climate predictions; uncertainty in science; physical impacts of climate change – agriculture, sea level rise, health, extreme events; policy debate.

#### **Unit II: Climate Change Policy – Mitigation**

**(Hours: 12)**

Efficiency, public goods, externalities; environmental policy instruments – emissions trading, carbon tax, emission trading versus tax; stock pollutants and discounting; decisions under risk and uncertainty.

#### **Unit III: Integrated Assessment**

**(Hours: 12)**

Costs and benefits of greenhouse gas mitigation; integrated assessment models; simulation exercises based on DICE model and its variants; sensitivity and uncertainty analysis; Stern review.

#### **Unit IV: Climate Change Policy – Adaptation**

**(Hours: 12)**

Climate change impact assessment – applications for agriculture, sea level rise and health; vulnerability assessment; economics of adaptation; measurement of adaptation cost; issues in financing adaptation.

#### **Unit V: Climate Change Negotiations and Equity**

**(Hours: 12)**

Criteria for distribution of emission reduction burden; distribution criteria for adaptation fund; inter and intra-generational equity issues; discounting in climate change context.

**Book for Study:**

1. Perman, R., Ma, Y., Common, M., Maddison, D., Mcgilvray, J., Natural Resource and Environmental Economics, Pearson Education Limited, 2011 (4th Edition).

2. Intergovernmental Panel on Climate Change – Fifth Assessment Report, 2011 Stern, N., The economics of climate change – The Stern Review, Cambridge University Press, 2006.

**Books for Reference:**

1. F. Ackerman, E. Stanton: Climate Economics: State of the Art. Routledge (2013)
2. W. Nordhaus: A Question of Balance. Yale University Press (2008)
3. D. Acemoglu, P. Aghion, Leonardo Bursztyn, D Hemous. (2012).  
—The environment and directed technical change, American Economic Review, 102(1): 131-166.

**Web Resources:**

1. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjc->
2. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjc->

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	To define and explain the science of climate change.	K1, K2
CO2	To explain and identify the climate change policy.	K2, K3
CO3	To illustrate and analyses the integrated assessment of climate changes.	K2, K4
CO4	To classify, compare and evaluate climate change impact assessment.	K4, K5
CO5	To estimate and illustrate the climate change negotiations and equity.	K5, K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3.0	3.0	3.0	3.0	3.0

1-Low; 2-Medium; 3-High

**Programme Title: M.A. / M.Sc.**

**Course Title: Economics of Insurance**

**Course Code: 24PECEDC1**

**Hours/Week: 4**

**Semester: II**

**Credit: 2**

**Course Objectives:**

- To familiarize the students with the latest development of insurance in India.
- To provide knowledge of the prospects of insurance and the possibilities of managing the insurance sector

**SYLLABUS**

**Unit-I: Nature and Importance of Insurance (Hours: 11)**

Insurance: Definition – Evolution – Primary and Secondary Functions – Importance to Individual, Business and Society.

**Unit-II: Insurance Contract and Risk Management (Hours: 13)**

Meaning of Contract – Insurable Interest – Utmost Good Faith – Principle of Indemnity and other Principles – Risk Management: Factors affecting Risk – Management of Risk through Identification and Control.

**Unit-III: Personal Life Insurance and Industrial Life Insurance (Hours: 13)**

Features of Life Insurance: Proximate Cause – Assignment and Nomination – Rate of Premium – Endowment Policies – Accident Benefits – Industrial Life Insurance – Group Insurance.

**Unit-IV: Marine and Fire Insurance (Hours: 13)**

Marine Insurance: Nature – Features – Exceptions – Policies – Fire Insurance – Definition and Nature – Elements in Fire Insurance Contract – Policies.

**Unit-V: Rural Insurance in India (Hours: 10)**

Meaning of Rural Insurance – Opportunities and Threats of Rural Insurance in India – Role of Government - Schemes introduced in Association with LIC in India – Schemes introduced in Association with Public sector General Insurance Companies – Role of IRDA : Objectives, Function - Role of Insurers.

**Book for Study:**

- M.N.Mishra and S.B.Mishra : Insurance Principle and Practices – S.Chand, New Delhi.

**Books for Reference:**

1. B.D.Bhargava : Insurance Theory and Practice – Pearl Books, New Delhi, 2008.
2. DebabrataMitra&AmlanGhosh – Life Insurance in India:Reforms and Impacts – Abhijeet Publications, New Delhi, 2010.
3. B.S.Sharma – Insurance and Risk Management – Ankit Publishing House, New Delhi, 2011.

**Web Sources:**

- <https://www.casact.org/pubs/forum/91wforum/91wf469.pdf>
- [https://www.draudimas.com/allpics/What\\_is\\_the\\_role\\_of\\_economic\\_development.pdf](https://www.draudimas.com/allpics/What_is_the_role_of_economic_development.pdf)
- [www.nios.ac.in/media/documents/VocInsServices/m2--f2.pdf](http://www.nios.ac.in/media/documents/VocInsServices/m2--f2.pdf)

**Course Outcomes (CO): On completion of the course, students should be able to**

<b>CO Number</b>	<b>CO Statement</b>	<b>Knowledge Level</b>
<b>CO1</b>	Explain the Indian Insurance business and policies	<b>K2</b>
<b>CO2</b>	Examine the meaning, importance of insurance and role of IRDA.	<b>K4</b>
<b>CO3</b>	Analyse the insurance contract and Industrial life insurance.	<b>K4</b>
<b>CO4</b>	Categorize the types of insurance.	<b>K4</b>
<b>CO5</b>	Evaluate the concepts of Life insurance contract and management of risk.	<b>K5</b>

**Programme Title: M.A Economics**

**Course Title: Core-VII: Advanced Macro Economics**

**Course Code: 24PECCC7**

**Hours/Week: 6**

**Semester: III**

**Credit: 5**

**Course Objective:**

- This course on macroeconomics intends to make the students understand the working of the economy as a whole, integrating the different markets.
- This course also gives the Classical and Keynesian perspectives on the economic factors affecting an economy's general equilibrium.

### **SYLLABUS**

**Unit-I: Classical, Keynesian and Post Keynesian Macroeconomics (Hours: 13)**

Classical Theory of Output and Employment- Full employment equilibrium- AD-AS Model-Keynesian Theory of Output and Employment- Under employment equilibrium- Effective Demand-Hicks Hansen IS-LM- BP Model.

**Unit-II: The New Classical Macroeconomics (Hours: 14)**

Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical Approach- Source of Productivity shocks in Real Business Cycle Theory- Stabilisation Policy and Unemployment- Role of money in Real Business Cycle Theory'- Policy implications of real business cycle theory- DAD-DAS Model.

**Unit-III: New Keynesian Macroeconomics (Hours: 15)**

Core propositions of new Keynesian macroeconomics- Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics.

**Unit-IV: Open Economy Macroeconomics (Hours: 17)**

Openness in goods in financial market- output interest rate and exchange rate- exchange rate regimes-exchange rate and balance of payments- Mundell- Fleming Model.

**Unit-V: Macroeconomics Policies (Hours: 16)**

Stabilisation policies- Theory of policy- Tinbergens Approach- Fiscal Policy- Monetary Policy- Optional Policy Mix- Crowding out effect- Bond Financed and Tax Financed Government Expenditure- Rules Vs Discretion- Government Budget and Budget Deficit.

**Books for Study:**

1. Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000). Macroeconomics, TataMcGraw-Hill Publishing Company, New Delhi.
2. Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore.

**Books for Reference:**

1. Michel, T. R. (2015). Macroeconomic Theory: A Short Course: A Short Course. Routledge.
- Levacic, R. (1982). Macroeconomics: an introduction to Keynesian-

neoclassical controversies (No. 339.2 L4.).Macroeconomics: Dornbusch, Fischer, and Startz (Ninth Edition),2004. Tata McGraw-Hill

2. Blanchard, O., &Giavazzi, F. (2003). Macroeconomic effects of regulation and deregulation in goods and labor markets. The Quarterly Journal of Economics, 118(3), 879-907.Romer D., 1996,Advanced Macroeconomics, McGraw-Hill International.
3. Obstfeld, M., Rogoff, K. S., & Wren-lewis, S. (1996). Foundations of international macroeconomics (Vol. 30). Cambridge, MA: MIT press.Krugman, P.R., and M. Obstfeld, 2003,International Economics: Theory and Policy, 6th edition, India: Pearson Education.

Web Resources:

1. <https://www.econlib.org/library/Enc/bios/Keynes.html>
2. <https://www.postkeynesian.net/post-keynesian-economics/>
3. <https://www.bu.edu/econ/files/2014/08/DLS1.pdf>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Defines and understand the concepts of general Equilibrium in the Economy and its models and approaches	K1, K2
CO2	Define, Illustrate and examine the role of rational expectations influencing macroeconomics variables, models of income and the various approaches to the working of business cycles.	K1, K2, K4
CO3	To demonstrate, identify and to understand the functions of the major propositions of new Keynesian macroeconomics	K2, K3, K4
CO4	To understand how, Evaluate and to analyse the open economy model in post Keynesian era	K1, K4, K5
CO5	To explain and apply the role of stabilization policies such as fiscal and monetary policy on the economy and to analyze, elaborate and to know the importance government policies and tax frame work	K2, K3, K4,K5, K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	3	3
<b>Weightage</b>	12	15	13	13	15
<b>Weighted percentage of Course Contribution to POs</b>	2.4	3	2.6	2.6	3

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-VIII: Public Economics**

**Course Code: 24PECCC8**

**Hours/Week: 6**

**Semester: III**

**Credit: 5**

**Course Objective:**

1. To understand the economics of government expenditure and taxation.
2. To discuss the implications of policy for efficiency and equity.

## **SYLLABUS**

### **Unit-I: Introduction**

**(Hours: 13)**

Introduction- Role of public finance - Major Fiscal functions- Private and Public goods – Mixed goods –Merit goods- Social goods-Market failure Public goods and externalities.

### **Unit-II: Theories of Public Expenditure**

**(Hours: 14)**

Public Expenditure Theories of Public Expenditure – Musgrave – Wagner - Peacock Wiseman– Growth of Public Expenditure – Canons and Evaluation of Public Expenditure.

### **Unit-III: Taxation**

**(Hours: 15)**

Taxation and Public Debt Direct and Indirect taxation – Canons and Principles of Taxation – Theory of optimal taxation – modern theory of incidence- Classification and Sources of public debt–Burden of public debt–Principles of public debt–Methods of repayment of public debt–Compensatory aspects of public debt policy.

### **Unit-IV: Fiscal Policy**

**(Hours: 17)**

Fiscal Policy and Fiscal Federalism Objectives and Instruments of Fiscal policy – Compensatory Fiscal policy – Fiscal policy for Economic stability and growth– Effectiveness of fiscal policy- Fiscal federalism – Role of finance commission – Principles – Transfer of resources from Union and States and States to Local Bodies.

### **Unit-V: Financial Administration**

**(Hours: 16)**

Indian Public Finance - Financial Autonomy in India – Tax Reform proposals of Kelkar Committee Tax structure and Working of Fiscal federalism in India – Resource transfer from union to state of Tamil Nadu – VAT – Merits and Demerits- GST design, implementation and impact- Fiscal responsibilities of central and state- FRBM Act 2003- Central and State government Budgets – issues of fiscal deficit- Fiscal policy and Economic downturn: Fiscal correction versus additional Stimulus.

**Books for Study:**

1. Tyagi B.P., Public Finance, Jai Prakash Nath & Company, 2014
2. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

**Books for Reference:**

1. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.
2. Rao, M. Govida and Nirvikar Singh, (2005), The Political Economy of Federalism in India, Oxford University Press, New Delhi.
3. Government of India, Economic Survey (Annual issues). Ministry of Finance, New Delhi. Tamilnadu State Council for Higher Education 15.

**Web Resources:**

1. <https://www.india.gov.in/my-government/documents/policy>
2. <http://www.niti.gov.in>
3. <https://www.indiabudget.gov.in/>

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	To label and interpret the basic theories of public finance.	K1,K2
CO2	To explain, identify and analyse the public expenditure.	K2,K3
CO3	To recall, outline and determine about taxes	K1,K2,K5
CO4	To organize, examine and evaluate about fiscal policy.	K3,K4
CO5	To summarize, develop and explain about Indian public finance.	K2,K3,K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**Mapping of COs with POs**

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
<b>Weightage</b>	15	15	15	15	15
<b>Weighted percentage of Course Contribution to POs</b>	3.0	3.0	3.0	3.0	3.0

1-Low; 2-Medium; 3-High



**Programme Title: M.A Economics**

**Course Title: Core-IX: Research Methodology**

**Course Code: 24PECCC9**

**Hours/Week: 6**

**Semester: III**

**Credit: 5**

**Course Objective:**

- This course describes the ethical issues in social science research and the present position of economic research. It covers data collection methods and different types of research design. It also discusses about qualities of a good research report
- To Develop and equip quality research culture among students

### **SYLLABUS**

**Unit-I: Research in Economics**

**(Hours: 13)**

Research Methods in Economics - Nature of Social Science Research – Research Methods in Social Science – Formulating the problem- Types and Sources of Hypothesis – Characteristics of a Good hypothesis- Components and types of research design – Collection of data – sources and methods- Presentation of results – Format of a Report.

**Unit-II: Data Collection**

**(Hours: 14)**

Sampling and Data collection Sampling; Need, types, Probability sampling, random, systematic, stratified, multistage or cluster sampling, Non Probability sampling; Purposive Judgment, quota and snowball sampling- Data collection; Primary and Secondary data; NSS and censuses data Methods of data collection- Tools of data collection; schedule and questionnaire.

**Unit-III: Research Design**

**(Hours: 15)**

Data Processing and Presentation Processing and analysis of data: Editing, coding and tabulation; use of computers in social science research- Diagrammatic and graphic representation of data-Interpretation of results and Report writing – Preparation of Project Proposals.

**Unit-IV: Data Analysis - I**

**(Hours: 17)**

Statistical Inferences Census Versus sampling -Random and Non-Random sampling Techniques Estimation – Point and interval estimation – Statistics and Parameter – Standard Error – Confidence interval- Null and Alternative hypothesis – Type I Error and Type II Error, Level of Significance – Critical region – Steps in Testing of Hypothesis.

**Unit-V: Data Analysis - II**

**(Hours: 16)**

Large and small Sample Tests Properties and uses of Normal Distribution – Standard normal Z' Statistic Z-Test of Significance of proportions, means and Correlation- t' Test for sample mean and Equality of mean – Paired t' Test- Chi-Square Test for Association of Attributes.

### Books for Study:

1. C.R. Kothari (2002), Research Methodology Vikas publishing House, New Delhi.
2. Goode W. J and Hatt(1952), Methods in Social Research, Mcgraw Hill Book Co, Tokyo.

### Books for Reference:

1. Young, Pauline V., Scientific Social Surveys and Research, 4th Edition, Prentice Hall of India,1977
2. Bryman, Alan, Social research methods, 4th Edition, Oxford University Press, 2008
3. Patton, M.Q., Qualitative Research and Evaluation Methods, 3rd Edition Sage 41 Publications,2002

### Web Resources:

1. [www.socialresearchmethods.net](http://www.socialresearchmethods.net)
2. [www.ualberta.ca](http://www.ualberta.ca)
3. <http://finmin.nic.in>

### Course Outcomes (CO): On completion of the course, students should be able to

CO Number	CO Statement	Knowledge Level
CO1	To understand what are all the basic concepts in Research and explain means of data collection	K1, K2
CO2	Explain and distinguish various sources of primary and secondary data and to apply it in data collection	K2, K3, K4
CO3	Demonstrate, construct, and explain the functions of presenting data in different methods	K2, K4, K5, K6
CO4	To develop the statistical inference and to explain the errors that can happen during data analysis	K3, K4, K5, K6
CO5	To illustrate, identify, evaluate and create new models and evaluate the Data	K2, K3, K4, K5, K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

### Mapping of COs with POs

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Weightage	12	15	14	13	14
Weighted percentage of Course Contribution to POs	2.4	3	2.8	2.6	2.8

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-X: Econometric Methods**

**Course Code: 24PECCC10**

**Hours/Week: 6**

**Semester: III**

**Credit: 4**

**Course Objective:**

- To provide an understanding on the knowledge of Econometrics and its use for Economists and social scientists, how economic theories are used to test empirical data.
- To provide in depth knowledge on the Econometric models and to examine the meaning and applicability of dummy variables and to recall the basic methods of time series data.

## **SYLLABUS**

### **Unit-I: Basic Regression**

**(Hours: 13)**

Analysis nature and scope of econometrics – simple regression model: specification, OLS method, assumptions of CLRM and Gauss Markov theorem, hypothesis testing and goodness of fit – extensions of simple regression model: regression through origin, scaling and units of measurement, functional forms of regression model – maximum likelihood estimation.

### **Unit-II: Dummy Variable**

**(Hours: 11)**

Dummy Variables- Nature of Dummy Variables- ANOVA Models - Dummy Variable alternative to Chow test- Uses of Dummy Variables Seasonal Analysis-Piecewise Linear Regression. Qualitative response Regression Model- Linear Probability Model, Logit Model, Probit Model, Tobit Model.

### **Unit-III: Dynamic Econometric Model**

**(Hours: 12)**

Dynamic Econometric Model: Autoregressive model and Distributed lag model – Estimation of Distributed Lag Models, The Koyck approach to Distributed—Lag models- Adaptive Expectations Model. Estimation of Autoregressive Model- Almon approach to Distributed-Lag Models – Uses.

### **Unit-IV: Simultaneous Equation Model**

**(Hours: 12)**

Simultaneous Equation Model-Simultaneous equation bias- Identification Problem- Rules for Identification- Test of Simultaneity-Test of Exogeneity. Simultaneous Equation Methods- Recursive models and ordinary least squares- Methods of Indirect Least squares- Method of Two-Stage least squares– Generalized least squares.

### **Unit-V: Time Series Econometrics**

**(Hours: 12)**

Introduction to Time Series Econometrics: Stochastic Process - Stationary and Non Stationary stochastic process-Unit root stochastic process- Trend stationary and difference stationary stochastic process-Integrated stochastic process – Properties- Unit root tests – Cointegration Model.

### Books for Study:

1. Damodar N. Gujarati & Sangeetha (2019) Basic Econometrics Tata McGraw-Hill Publishing company Limited New Delhi
2. K.Dhanasekaran( 2012) Econometrics, Vrinda Publications.

### Books for Reference:

1. Gujarathi, D.N. (2005), Text Book of Econometrics [McGraw-Hill, New Delhi].
2. Kalirajan, K.P. (1995), Applied Econometrics [Oxford and IBH, New Delhi].
3. Suresh, J. Ghosh (1994), Econometric Theory and Applications [Prentice Hall of India, New Delhi]

### Web Resources:

1. <https://learneconometricsfast.com>.
2. <https://inomics.com>.
3. <https://economicsnetwork.ac.uk>.

### Course Outcomes (CO): On completion of the course, students should be able to

CO Number	CO Statement	Knowledge Level
CO1	Examine the meaning and applicability of dummy variables	K1, K2, K4
CO2	Estimate the Auto Regressive model and the role of lags in dynamic econometric models	K4, K5
CO3	Identify the problems of ignoring OLS assumptions	K3, K4
CO4	Gain in-depth knowledge in Simultaneous equation models	K2, K4
CO5	Analyze the stochastic process and cointegration model	K3, K5

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

### Mapping of COs with POs

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	2
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	2	3	3	3
CO5	3	3	3	2	3
Weightage	15	13	15	14	14
Weighted percentage of Course Contribution to POs	3.0	2.6	3.0	2.8	2.8

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-X: Environmental Economics**

**Course Code: 24PECDSEC5A**

**Hours/Week: 3**

**Semester: III**

**Credit: 3**

**Course Objectives:**

- To enable the students understand the Nature of Scope of Environmental Economics.
- To enrich their knowledge regarding Need for Conservation of Natural Resource and Environmental Quality.

### **SYLLABUS**

#### **Unit – I: Economy and the Environment**

**(Hours: 9)**

The interaction between the economic system and the environmental system – The services provided by the environmental system to the economic system – The Material Balance model – Types of Pollutants: Cumulative and non- Cumulative: Local, regional and global; point source and non – point source – welfare effects of pollution: Local and global air pollution (acid rain, ozone depletion, global warming), water pollution, municipal solid waste.

#### **Unit – II: Market and the Environment**

**(Hours: 9)**

Conditions for efficient functioning of markets – Market failure and environmental damage – Environmental damage as an externality – Environmental goods as public goods – Asymmetric information and environmental damage; adverse selection, moral hazard.- Property rights and environmental damage: the Coase Theorem – “ Government failure” and environmental damage – Pollution control policies – command – and – Control policy – Market based instruments: Pollution taxes, tradable permits, subsidies.

#### **Unit – III: Environmental Valuation**

**(Hours: 10)**

Cost- Benefit analysis – The need for environmental valuation – The categories of environmental value – Methods of environmental valuation - Revealed preference methods: Hedonic pricing methods, travel cost method: - Stated preference approach; Contingent Valuation Method.

#### **Unit – IV: Natural Resource Economics**

**(Hours: 8)**

Type of natural resource, the Mckelvey classification – Measuring resource Scarcity: Resource lifetime, unit cost measures, real prices, economic rent – allocation non- renewable resource: The Hotelling Theorem – Renewable resources – Forests: Frontier model and immiserisation models of deforestation; Consequences of deforestation; - Fisheries “Efficient sustainable yield” – Water: Efficient allocation of surface and ground water – Common property resources (CPRs) – characteristics of CPRs – Dissipation of Hotelling rents (‘tragedy of the commons’) – Ostrom’s design principles” for sustainable local CPR governance.

#### **Unit – V: Economic Growth and Sustainable Development**

**(Hours: 9)**

Growth and the environment: The environmental Kuznets curve – The “ limits to growth: Club of Rome model – Economics of sustainable development – Brundtland Commission definition – Theories of sustainable development: Weak sustainable development and strong sustainable development – Sustainability rules: The “Hartwick rule”; safe minimum

standards; - measuring sustainable development: “ Green national accounts”; genuine savings – Link between poverty and environmental degradation – Economics of climate change – Summary of stern Review.

### Books for study

- M.L.Jhingan (2008), Environmental Economics, Vrinda Publications (New Delhi)
- Dr.S.Sankaran (2012), Environmental Economics Margham Publications,(Chennai)

### Books for Reference:

1. Hanley, Nick, J.F.Shogren, and Ben White (2001), Introduction to Environmental Economics (London: Oxford University Press).
2. Karpagam M. (1998), Environmental Economics (Streling Publishers, New Delhi).
3. Field, Barry C (2001), Natural Resource Economics: An Introduction (London: McGraw Hill).
4. Sankar U (200), Environmental Economics (Oxford University Press: New Delhi).

### Web Resources:

- <https://www.epa.gov/environmental-economics>
- [environment.yale.edu](http://environment.yale.edu) › Research Groups and Labs

**Course Outcomes (CO): On completion of the course, students should be able to**

CO Number	CO Statement	Knowledge Level
CO1	Analysis the market failure, environmental damage and pollution control policies	K4
CO2	Compile environmental valuation and cost- benefit analysis	K5
CO3	Determine the efficient allocation of natural resources.	K5
CO4	Compare the economic growth, sustainable development and economics of climate change	K5
CO5	Interpret the economic system, environmental system and types of pollutants	K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

### Mapping of COs with POs

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	3	3
CO2	3	3	3	3	3
CO3	3	3	2	2	3
CO4	3	3	3	2	3
CO5	3	3	3	2	3
<b>Weightage</b>	14	15	13	12	15
<b>Weighted percentage of Course Contribution to POs</b>	3	3	2.6	2.4	3

1-Low; 2-Medium; 3-High

**Programme Title: M.A Economics**

**Course Title: Core-X: Economics in Everyday Life**

**Course Code: 24PECDSEC5B**

**Hours/Week: 3**

**Semester: III**

**Credit: 3**

**Course Objective:**

- To ensure the economic view of society and to familiarize the most basic concepts of economics
- To help the students to reason and apply economic concepts in everyday life

### **SYLLABUS**

**Unit-I: Thinking about Prices**

**(Hours: 10)**

Price – determination – The concept of willingness to Pay-Understanding Inflation: Meaning of Inflation and how it is measured in India- Inflation rate and the prices you pay in shops: why they diverge - Application: why prices are higher in some locations than others although the production and selling costs are identical.

**Unit-II: Economics of Social Customs**

**(Hours: 8)**

Economics of rising age of marriage and declining family size – Economics of Divorce-How economic globalization is changing the Indian family-Economics of gift - giving: why value of gift in- Application: Reasoning about economic Inequality between men and women.

**Unit-III: Economics of Social Evils**

**(Hours: 8)**

Discrimination: Why discrimination can be rational and the economic harm it causes- Pollution: The economic roots of the pollution problem- Economics of the leisure -Addiction: Economic case or legalizing drugs as solution to addiction- Corruption-An Economist's Perspective- application: Why prohibition does more harm than good: An Economic Perspective.

**Unit-IV: Economics of Arts, Sports and Science**

**(Hours: 10)**

Understanding the declining demand for performing arts from economic perspective- Economics of Sports: Role of economic competition in sporting activity-Economics and Science: science perspective of economics –What motivates scientific research? -Application: How economic Globalization and commercialization enrich Indian music, Arts and Sports.

**Unit-V: National Issues**

**(Hours: 9)**

The Union Budget and you–Taxes, Subsidies and Fiscal Deficit-How the stock market works – Bulls and Bears- Gig economy - The global economic crisis: Its origin and impact on India- Application: Living through an economic downturn.

**Books for Study:**

1. Robert J. Stonebraker (2005), The Joy of Economics: Making Sense of Life, Winthrop University
2. Tim Harford (2000), The Logic of Life: Discovering the New Economics of Everything,(London: Little).

#### Books for Reference:

1. Penson, T. H (2011), The Economics of Everyday Life: A First Book of Economic Study, Nabu Press Cambridge University Press
2. [David D. Friedman](#) (1997), Hidden Order: The Economics of Everyday Life, HarperBusiness
3. [David George Surdam](#) (2015), Century of the Leisured Masses: Entertainment and the Transformation of Twentieth-Century America, Oxford University Press

#### Web Resources:

1. <https://www.economicshelp.org/blog/5628/economics/applying-economics-in-everyday-life/>
2. <https://www.sociologygroup.com/economics-in-everyday-life/>
3. <http://acdc2007.free.fr/woodcock2020.pdf>

#### Course Outcomes (CO): On completion of the course, students should be able to

CO Number	CO Statement	Knowledge Level
CO1	To know what is price and to explain and identify its mechanism in economies Function	K1, K2, K3
CO2	To define, illustrate and evaluate the value of economics in social customs of the Society	K1, K2, K5
CO3	To find and examine the evils happening in the economy and to identify and measures to overcome those evils	K1, K3,K4, K5
CO4	To illustrate, analyse the importance of various dimensions of economics in the Society	K2, K4, K5
CO5	Analyse, measure and to discuss the role of economics in the effective functioning of the country	K4, K5, K6

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

#### Mapping of COs with POs

CO /PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	2	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	2	2
<b>Weightage</b>	14	15	13	14	13
<b>Weighted percentage of Course Contribution to POs</b>	2.8	3	2.8	2.8	2.8

1-Low; 2-Medium; 3-High



**Programme Title: M.A./ M.Sc.**

**Course Title: EDC-II: Entrepreneurial Development**

**Course Code: 24PECEDC2**

**Hours/Week: 3**

**Semester: III**

**Credit: 2**

**Course Objectives:**

1. To understand the concept of Entrepreneurship
2. To understand the responsibilities and process of an entrepreneur

**Unit I: Introduction**

**(Hours: 9)**

Introduction and Concept of Entrepreneur – characteristics of an Entrepreneur – qualities of an entrepreneur- distinction between Entrepreneur & Manager –nature, scope, function & Types of Entrepreneur- Motivation theories of entrepreneurship: Maslow's need of hierarchy theory and McDelland's acquired need theory- Entrepreneurship development programmes.

**Unit II: Entrepreneurial Growth**

**(Hours: 9)**

Entrepreneurial growth before and after independence – Factors determining growth of entrepreneurship - source, causes of slow growth of entrepreneurship - Role of entrepreneurship in economic development – entrepreneurship and environment - Entrepreneurial behavior.

**Unit III: Women entrepreneur**

**(Hours: 9)**

Concept of women entrepreneurs – Functions – growth of women entrepreneurship - problems and remedies- selection of industry in women entrepreneurship- development of women entrepreneurs- role of women entrepreneurs associations -Rural entrepreneurship: definition, problems- overcoming the problems of rural entrepreneurship.

**Unit IV: Project Formulation and selection**

**(Hours: 9)**

Projects & Entrepreneur Meaning – need, concept and significance of project formulation – elements of project formulation - project selection –Project formulation and financial institution- Project formulation and government- Project report : need, objectives, characteristics of project and Contents of a Project Report- Planning Commission Guidelines.

**Unit V: Institutional Finance**

**(Hours: 9)**

Institutional Finance to Entrepreneurs Commercial Bank, Industrial Development of India (IDBI),Industrial Finance Corporation of India (IFCI),Industrial Credit & Investment Corporation of India (ICICI),State Financial Corporation's (SFCs),Small Industrial Development Corporation (SIDCO), Small industries development bank of India (SIDBI)- Institutional Support to Entrepreneur National Small Industries Corporation Ltd.(NSIC)- Small Industries Development Organization (SIDO)- Small Industries Service Institutes (SISI)- District Industries Centre (DICs).

**Text Books:**

1. Dr.S.S.Khanka (2011), Entrepreneurial Development, S.Chand& Company Ltd, Ram Nagar New Delhi. State Integrated Board of Studies – Economics PG 58.
2. 4. Poornima M. Charantimath, (2007), Entrepreneurship Development and Small Business Enterprises, Pearson Education, New Delhi.

**Reference Books:**

1. Vasant Desai, (2008), Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, New Delhi.
2. Robert D. Hisrich, Michael P. Peters and Dean A. Shepherd,(2007) Entrepreneurship, Tata McGraw Hill, New Delhi.
3. Khanka, S.S. (2007), Entrepreneurial Development, S.Chand& Company, New Delhi.

**Web Resources:**

1. <https://www.startupindia.gov.in/content/sih/en/reources/l-d-listing.html>
2. <https://elearningindustry.com/entrepreneurship-and-elearning-top-5-elearning-options-newbie-entrepreneurs>

**Course Outcomes (COs):**

Upon Completion of this course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Understand the concept of Entrepreneurship	K <sub>1</sub> , K <sub>2</sub> , K <sub>4</sub>
CO2	Ability to learn the factors involved in business	K <sub>1</sub> ,K <sub>2</sub> , K <sub>4</sub>
CO3	Understand the importance of women entrepreneur	K <sub>1</sub> ,K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub>
CO4	Identify the process involved in the project	K <sub>1</sub> , K <sub>2</sub> , K <sub>3</sub> K <sub>4</sub> K <sub>5</sub>
CO5	Acquire the knowledge about source of Finance	K <sub>1</sub> ,K <sub>2</sub> ,K <sub>3</sub> ,K <sub>4</sub>

K<sub>1</sub> – Knowledge, K<sub>2</sub> - Understand, K<sub>3</sub> – Apply, K<sub>4</sub> – Analyse, K<sub>5</sub> – Evaluate, K<sub>6</sub> – Create.

**CO-PO Mapping (Course Articulation Matrix)**

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Weightage	15	15	12	15	15
Weighted percentage of Course Contribution to Pos	3	3	2.4	3	3

1-Low; 2-Medium; 3-High