



Ready for
Every Good Work

SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

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A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

**Post Graduate and Research Department of Economics
Sacred Heart College (Autonomous) Tirupattur-635601. Tirupattur District.**

Course structure for M.A. Economics under new CBCS with effect from 2021-2022

Name of the Programme: **EC02 - MA ECONOMICS**

Vision:

We, the Department of Economics of Sacred Heart College, inspired by the love of the Heart of Jesus and fundamental human values, following the educative system of Don Bosco are committed to the creation of an ethical and prosperous society, to empower the student in higher education in terms research and consultancy.

Mission:

To impart quality of education of student community to create a society more worthy of humans.

Programme Outcomes at Postgraduate Level

Programme will be able to:

| | |
|------------|--|
| PO1 | Demonstrate advanced knowledge in their disciplines. |
| PO2 | Develop specialized skills to plan, analyze and draw conclusions in their field of study. |
| PO3 | Exhibit and expertise in their field of study through project and research activities. |
| PO4 | Prepare themselves to incorporate new techniques in their own discipline and demonstrate excellence in their area of specialization. |
| PO5 | Develop social and ethical responsibility in the transfer and management of knowledge. |
| PO6 | Equip them to face the job market and to become entrepreneurs. |

Programme Specific Outcomes at Postgraduate Level

Programme will be able to:

| | |
|-------------|---|
| PSO1 | Pursue various advanced economic theories into diverse empirical fields. |
| PSO2 | Concede contemporary economic concepts pertaining to discipline of economics. |
| PSO3 | Demonstrate and impart knowledge on structure and distribution of the economy. |
| PSO4 | Create critical thinking and social responsibility among the students. |
| PSO5 | Compare and contrast environmental values, consciousness and making policy analysis |
| PSO6 | Take up careers, research and employability skills in different sectors. |

Semester – I

| Category | Subject Code | Title of the paper | Hrs. | Credits | Marks | |
|--------------------|--------------|-------------------------------------|-----------|-----------|-------|----|
| | | | | | CIA | SE |
| Core | E748 | Advanced Micro Economic Theory – I | 6 | 5 | 50 | 50 |
| Core | E749 | Advanced Macro Economic Theory – I | 6 | 4 | 50 | 50 |
| Core | E750 | Statistics for Economists | 5 | 4 | 50 | 50 |
| Core | E751 | Economics of Growth and Development | 5 | 5 | 50 | 50 |
| Elective-I | E752A | (i) Demography | 6 | 4 | 50 | 50 |
| | E752B | (ii) History of Economic Thought | | | | |
| | E752C | (iii) Economics of Infrastructure | | | | |
| Subject skill (SK) | E753S | Business Communication Skills | 2 | 2 | | |
| Total | | | 30 | 24 | | |

Semester - II

| Category | Subject Code | Title of the paper | Hrs. | Credits | Marks | |
|-------------------------|--------------|---|---------------------------------------|---------|-------|----|
| | | | | | CIA | SE |
| Core | E855 | Advanced Micro Economic Theory – II | 6 | 5 | 50 | 50 |
| Core | E856 | Advanced Macro Economic Theory – II | 6 | 4 | 50 | 50 |
| Core | E857 | Mathematics for Economists | 5 | 4 | 50 | 50 |
| Core | E858 | Managerial Economics | 5 | 5 | 50 | 50 |
| Elective-II | E859A | (i) Industrial Economics | 6 | 4 | 50 | 50 |
| | E859B | (ii) Economics of Urbanisation | | | | |
| | E859C | (iii) Economics of Gender and Development | | | | |
| Subject skill (SK) | E860S | Entrepreneurship Training Skills | 2 | 2 | | |
| Certificate course CC-1 | | Computer Software Packages (SPSS,AMOS) in Economics | Optional- Successful Completion 2* | | | |

| | | | | |
|--------------|-----------|-----------------------|--|--|
| Total | 30 | 24+2* = 26 | | |
|--------------|-----------|-----------------------|--|--|

Semester - III

| Category | Subject Code | Title of the paper | Hrs. | Credits | Marks | | |
|-------------------------|--------------|--|---------------------------------|-------------------|-------|----|----|
| | | | | | CIA | SE | |
| Core | E940 | International Trade | 6 | 4 | 50 | 50 | |
| Core | E941 | Public Economics | 5 | 4 | 50 | 50 | |
| Core | E942 | Monetary Economics | 6 | 4 | 50 | 50 | |
| Core | E943 | Research Methodology | 6 | 4 | 50 | 50 | |
| Elective-III | E944A | (i) Econometrics Methods | 5 | 4 | 50 | 50 | |
| | E944B | (ii) Health Economics | | | | | |
| | E944C | (iii) Personnel Management | | | | | |
| Subject skill | E945S | Data Analysis and Interpretation | 2 | 2 | 50 | 50 | |
| Certificate course CC-2 | | Computer Software Packages (E-Views, R-Programming) in Economics | Optional- Successful Completion | | | | 2* |
| Total | | | 30 | 22+2* = 24 | | | |

Semester - IV

| Category | Subject Code | Title of the paper | Hrs. | Credits | Marks | |
|--------------|--------------|--|-----------|-----------|------------------------|----|
| | | | | | CIA | SE |
| Core | E1039 | Indian Economy: Issues and Policy | 6 | 4 | 50 | 50 |
| Core | E1040 | Environmental Economics | 6 | 4 | 50 | 50 |
| Core | E1041A | (i) Indian Public Finance | 5 | 4 | 50 | 50 |
| | E1041B | (ii) Tamil Nadu Economic Development | | | | |
| | E1041C | (iii) Financial Institutions and Markets | | | | |
| Elective-IV | E1042A | (i) Labour Economics and Industrial Relations | 5 | 4 | 50 | 50 |
| | E1042B | (ii) Security Analysis and Portfolio Management | | | | |
| | E1042C | (iii) Co-operation and Rural Development | | | | |
| | E1043J | Project Work Dissertation (Evaluation) Viva – Voce Total | 6 | 3 | 80 20 100 | |
| | VE1004 | Human Rights in India | 2 | 1 | | |
| Total | | | 30 | 20 | | |

| | | | | |
|--------------------|------------|-----------------------|--|--|
| Grand Total | 120 | 90+4* = 94 | | |
|--------------------|------------|-----------------------|--|--|

| PSO – PO Mapping | | | | | | |
|---|------------|------------|------------|------------|------------|-------------------|
| PSO | PO1 | PO2 | PO3 | PO4 | PO5 | Mean Score |
| PSO1 | 3 | 2 | 2 | 1 | 2 | 2 |
| PSO2 | 2 | 3 | 1 | 1 | 3 | 2 |
| PSO3 | 2 | 2 | 2 | 2 | 2 | 2 |
| PSO4 | 2 | 2 | 3 | 3 | 2 | 2.4 |
| PSO5 | 2 | 3 | 2 | 2 | 3 | 2.4 |
| Mean Overall Score | | | | | | 2.16 |
| Result | | | | | | High |
| High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1) | | | | | | |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---|----------|----------|
| I | E748 | ADVANCED MICRO ECONOMIC THEORY – I | 6 | 5 |

Course Objectives:

1. To learn understand micro economic theories and models.
2. To study traditional demand theories and its functions.
3. To understand modern demand theories and its functions.
4. To demonstrate costs and production functions.
5. To evaluate and use the various game theory model.

Course Outcomes:

After the successful completion of the course, the student will be:

| Sl. No. | CO – Statements | Cognitive Level (K-Level) |
|----------------|---|----------------------------------|
| CO – 1 | Understanding economics models and methodologies. | K1, K2 |
| CO – 2 | Applying traditional demand theories in business. | K2, K3 |
| CO – 3 | Analysing modern demand theories in business. | K3, K4 |
| CO – 4 | Evaluating cost and Production functions. | K4, K5 |
| CO – 5 | Constructing game theory models in business. | K5, K6 |

Unit – I: Methodology of Economics

(18 Hours)

Scarcity and Choice – Choice under Risk and Uncertainty – Functions of Economic Systems. Methods of Economic Models.

Unit – II: Applications of Demand Analysis – Cardinal Approach (18 Hours)

Elasticity of demand – Price – Income – Cross Elasticity – Factors affecting elasticity of demand – Methods of measuring Elasticity of demand – Utility analysis of Marshall – Consumer equilibrium and derivation of demand curve – Consumer Surplus.

Unit – III: Applications of Demand Analysis – Ordinal Approach (18 Hours)

Revealed Preference Theory – Hicks Revised demand theory – Indifference Curve approach – Neumann Morgenstern Utility Hypotheses – Consumer equilibrium – Decomposition of Price Effect – Compensation Variation Principle – Price effect – Income effect – Substitution effect – Slutsky effect.

Unit – IV: Cost and Production Functions (18 Hours)

Cost functions: Different Cost Concepts – Short run and Long run Costs – Traditional and Modern Theory of Costs – Importance of Cost in Decision making. Production functions: Short run and Long run Production Function– Economies of Scale – Cobb Douglas Production function – CES Production Function – Iso-Quant - Producer's Equilibrium.

Unit – V: Game Theory (18 Hours)

Strategic and Non-Strategic Model – Finitive and Infinitive Model – Repetitive and Non-repetitive Model – Business Dilemma – Beach Game Model.

Text Book

1. Ahuja H.L, Advanced Economic Theory, Micro and Macro Analysis, S. Chand, New Delhi, 2019.
Unit - I: Chapter 3, Page: 39 – 54.
Unit – II: Chapter 6 & 7, Page: 137 – 183
Unit – III: Chapter 11, Page: 235 – 286
Unit – IV: Chapter 20, Page: 394 – 427
Unit – V: Chapter 32, Page: 613 – 625
2. Hal Varian. R. Intermediate Micro Economics: A Modern Approach, 8th edition, ww Norton Company, New York, 2010.
Unit – III: Chapter 6, 14. 66-94.
Unit – IV: Chapter 21, 7, Page: 394 – 427
Unit – V: Chapter 28, Page: 645 – 680

Books for References

1. Ahuja H.L, Advanced Economic Theory, Micro and Macro Analysis, S.Chand, New Delhi, 2017.
2. Samuelson P.A 'Economics' -TATA McGraw Hill – New Delhi-1985.
3. Stonier A.W & Hume D.C, A text book of Economic Theory', Longmans Green London, 1980.
4. Bell and Todaro M.P 'Economic Theory'- Mac Millan, London, 1980.
5. William J.Baumol 'Economic Theory and Operations Analysis', Practice Hall, London, 1961.

Journals

1. Stefan Napel, Advanced Microeconomics – I, Universitat Bayreuth.
2. American Economic Journal: Microeconomics
3. Journal of Economics: Springer
4. Journal of political economy: Microeconomics
5. Journal of Economic Perspectives

Web Resources

1. https://www.academia.edu/38262502/A_koutsoyiannis_Modern_Microeconomics_Second_Edition

2. <https://zalamsyah.staff.unja.ac.id/wp-content/uploads/sites/286/2019/11/1-Advanced-Microeconomic-theory-3rd-Ed.-JEHLE-RENY.pdf>.
3. <https://open.umn.edu/opentextbooks/textbooks/193>
4. <https://faculty.ksu.edu.sa/sites/default/files/microeco-varian.pdf>
5. https://scholar.google.co.in/scholar?q=microeconomics+theory+and+applications+pdf&hl=en&as_sdt=0&as_vis=1&oi=scholar

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|------------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| I | E748 | Advanced Micro Economic Theory – I | | | | | | | | | 6 | 5 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 2.1 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2.5 | |
| CO4 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 2.4 | |
| CO5 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.7 | |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---|-------|---------|
| I | E749 | ADVANCED MACRO ECONOMIC THEORY – I | 6 | 4 |

Course Objectives:

1. To learn understand the importance of macro economics.
2. To study the National Income and circular flow of Income.
3. To understand classical and Keynesian theory of employment and output.
4. To demonstrate Consumption and Investment functions.
5. To evaluate ISLM functions.

Course Outcomes:

After successful completion of the course the students will be able to

| S.No. | Description | Cognitive Level (K-Level) |
|-------|--|---------------------------|
| CO-1 | Understanding the importance and principles of macro economics. | K1, K2 |
| CO-2 | Comparing national income measurement and circular flow of income. | K2, K3 |
| CO-3 | Analysing the classical and Keynesian theory of employment and output. | K3, K4 |
| CO-4 | Assessing the consumption and investment patterns. | K4, K5 |
| CO-5 | Evaluating the effectiveness of ISLM functions. | K5, K6 |

Unit – I: Scope of Macro Economics (18 Hours)

Micro – Macro Relations – stock and flow concepts - Scope of Macro Economics – Macro Economic paradox - Importance and Limitations of Macro Economics – Static, Comparative, static and dynamics.

Unit – II: National Income Accounting (18 Hours)

National Income - Concepts of National Income – Methods of measuring national income – Difficulties in calculating national income – Need for measuring national income – Social Accounting: Meaning and uses or importance – Circular flow of income (Four Sector).

Unit – III: Theory of Employment and output (18 Hours)

The classical theory – features – The classical theory of employment with saving and without saving and Investment – Say’s Law of Market and its criticism – The Keynesian theory of Effective Demand – The concept of Under Employment Equilibrium – Criticism of Keynesian theory.

Unit – IV: The Consumption and Investment function (18 Hours)

Factors determinants – MPC and APC – Keynes psychological law of consumption – The post Keynesian theories of consumption functions -The investment function and its types and determinants – Multiplier – Accelerator and Super multiplier.

Unit – V: General Equilibrium Concepts and Functions (18 Hours)

ISLM Equilibrium – shifts in ISLM Functions - The effectiveness of monetary policy and fiscal policy in different regions – The Three Ranges Analysis – The Crowding – out Effect and crowding in effect– The Four Sector ISLM Model – The ISLM Model with Balance of Payments Functions.

Text Books

1. Dr. Ahuja H.L., Modern Economics, S. Chand & Company, Pvt. Ltd. New Delhi, 2013.
Unit I: Chapter I - Page Nos. from 15 to 25 and 39 to 47
Unit II: Chapter VIII – P. Nos. 13 to 36

Unit III: Chapter VIII – P. Nos. 37 to 54 and 55 to 65
Unit IV: Chapter VIII – P. Nos. 113 to 132 and 145 to 173
Unit V: Chapter XI – P. Nos. 399 to 415

2. Edward Shapiro, Macro Economic Analysis, 5th Edition, Harcourt Brace, JivanocichInc, New York, 2013.

Unit I: Chapter 1- P. Nos. 3 to 8
Unit II: Chapter 2 – P. Nos. 11 to 27
Unit IV: Chapter 4 – P. Nos. 47 to 66

Books for References

1. Dwivedi D.N., Macro Economics, Tata McGraw Hill, New Delhi, 2005.
2. Seth M.L., Macro Economics, Lakshmi Narain Agarwal Publication, Agra, 2017.
3. Jhingan M.L., Macro Economic Theory, Vrinda Publications, P (Ltd.) Delhi, 2014.
4. Richard T. Froyen, Macro Economics Theories and Policies, Dorling Kindersley, Pvt. Ltd. Pearson Education, New Delhi, 2012.
5. Errol D'Souza, Macro Economics, Dorling Kindersley Pvt. Ltd. Pearson Education, New Delhi, 2008.

Journals

1. The Journal of Macro Economics.
2. Journal of Macro Economics / Science Direct .com.
3. Journal of Macro Economics – Long dom Publishing Sl
4. The Review of Economic Studies.
5. The American Economic Review.

Web Resources

1. <http://library.oopen.org>
2. <https://press.lse.ac.uk/site/books>
3. <https://www.worldscientific.com.>w>
4. <https://www.worldbank.org.>topic>
5. <https://www.york.ac.uk.>latest>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|---------------------------|-------------------------|------------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| I | E749 | Advanced Macro Economic Theory – I | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1.8 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 1 | 3 | 2.1 | |
| CO4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 2.3 | |
| Mean Overall Score | | | | | | | | | | | 2.3 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---------------------------------|-------|---------|
| I | E750 | STATISTICS FOR ECONOMICS | 5 | 4 |

Course Objectives:

1. To learn about probability, distributions and random variables.
2. To study various parameters of sampling and population.
3. To understand various methods of estimation.
4. To demonstrate the various sampling techniques and time series analysis.
5. To evaluate the validity and reliability of the co-variation.

Course Outcomes:

After the successful completion of the course, the student will be able to

| S. No. | CO- Statement | Cognitive Level (K-Level) |
|--------|---|---------------------------|
| CO-1 | Comparing theories of probability and distribution | K1, K2 |
| CO-2 | Understanding the sampling methods with statistical inference. | K2, K3 |
| CO-3 | Analysing the least square methods and confidence interval estimates. | K3, K4 |
| CO-4 | Applying different sampling techniques in Social Science Research. | K4 K5 |
| CO-5 | Evaluate and develop the regression model in economic application. | K5, K6 |

Unit - I: Probability Theory

(15 Hours)

Concept of probability, conditional probability and Bayes' theorem; Random variables –discrete and continuous, Density and distribution functions, joint, marginal and conditional distribution, moment generating function, law of large numbers and Central Limit theorem

Unit - II: Sampling Theory

(15 Hours)

Population and Sample (parameter and statistic) – sampling with and without replacement- random samples, random numbers – sampling distributions – sampling distributions of means, sampling distributions of proportions, sampling distribution of differences and sums – standard error.

Unit - III: Estimation

(15 Hours)

Estimator and estimate – point and interval estimate – reliability of an estimate - sampling variants and mean – square error – properties of a good estimator – methods of estimation – Least squares, methods of moments, Maximum Likelihood method.

Unit - IV: Sampling Techniques and Time Series

(15 Hours)

Sampling methods: Random and non-random sampling, Simple random sampling, Stratified random sampling – Concept of an estimator and its sampling distribution – Desirable properties of an estimator – Time series analysis.

Unit - V: Correlation and Regression

(15 Hours)

Correlation analysis: Types, Methods, Karl Pearson's correlation, Spearman's Rank Correlation, Limitations – Regression analysis: The Model and estimation of regression coefficients – Economic applications.

Text Book

1. Gupta S.P, 'Statistical Methods' 46th Edition, Sultan Chand & Sons Publications, New Delhi, 2021.
Unit-I - Chapter 1 (Volume II)
Unit-II - Chapter 4 (Volume I)
Unit-III - Chapter 3 (Volume II)
Unit-IV - Chapter 4 and 14 (Volume I)
Unit-V - Chapter 10 and 11 (Volume I)
2. Sharma J.K, "Business statistics: Problems and Solutions". Vikas Publishing House, New Delhi, 2012.

Books for References

1. Gupta S.C, 'Fundamental of Statistics' 7th Edition, Himalaya Publishing House, New Delhi, 2018.
2. Pillai R.S.N and Bagavathi, "Statistics: Theory and Practice", 8th Edition, S. Chand & Co Ltd. New Delhi, 2019.
3. Gupta S.C and Kapoor .V.K, "Fundamentals of Mathematical Statistics", 12th Edition, Sultan Chand & Sons Publications, New Delhi, 2020.
4. Vittal P.R, "Business Mathematics and Statistics", Margham Publications, Chennai, 2020.
5. Derek Rowntree, "Statistics without Tears: An Introduction to Non-Mathematicians", Penguin, UK, 2018.

Journals

1. <https://www.tandfonline.com/toc/cjas20/current>
2. <https://www.springer.com/journal/362>
3. <https://serialsjournals.com/index.php?route=product/product&productid>
4. <http://stmjournals.com/Journal-of-Statistics.html>
5. <https://www.hindawi.com/journals/jps/>

Web resources

1. <https://www.economics.utoronto.ca/jfloyd/stats/ecstats.pdf>
2. <https://www.oreilly.com/library/view/business-statistics-second>
3. <https://edge.sagepub.com/gau3e/student-resources>
4. <https://online.stat.psu.edu/statprogram/courses/requirements>
5. www.tutor2u.com

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|---------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| I | E750 | Statistics for Economists | | | | | | | | | 5 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 2 | 3 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2.3 | |
| CO4 | 3 | 1 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2.5 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|--|-------|---------|
| I | E751 | ECONOMICS OF GROWTH AND DEVELOPMENT | 5 | 5 |

Course Objectives:

1. To learn understand the concepts of economic growth and development.
2. To study the theories of economic growth and development.
3. To understand different growth models.
4. To demonstrate different measurement of economic development
5. To evaluate various policies for economic development.

Course Outcomes:

After the successful completion of the course, the student will be able to

| S. No. | CO- Statement | Cognitive Level (K-Level) |
|--------|--|---------------------------|
| CO-1 | Classifying various concepts of economic growth and development. | K1, K2 |
| CO-2 | Comparing the theories of economic growth and development. | K2, K3 |
| CO-3 | Categorizing various models of growth and development. | K3, K4 |
| CO-4 | Analysing the measurement of economic development. | K4, K5 |
| CO-5 | Evaluating various policies for economic development. | K5, K6 |

Unit – I: Concepts of Economic Development (15 Hours)

Economic Development – Economic Development and Growth – Factors of Economic Growth: Economic and Non – Economic – Characteristics of Developing Economies – Economic Backwardness – Human Development Index – Characteristics of Modern Economic Growth.

Unit – II: Theories of Economic Development (15 Hours)

Growth Vs Development – Marxian Theory – The Schumpeterian Theory – Rostow's stages of Economic Growth – Nurkse's Theory – Lewis Theory – Fei and Ranis Theory – Nelson's Low level Equilibrium Trap – Big Push Theory - balanced and unbalanced Growth.

Unit – III: Growth models (15 Hours)

The Harrod and Domar Model – Joan Robinson's Model – The Solow Model of Long run growth – Kaldor's Model of growth – The Model of Technical change: Neutral and Non – Neutral – Growth models in Indian planning.

Unit – IV: Measurement for Economic Development (15 Hours)

Capital Formation: Importance, reasons for low rate of capital formation and sources; Role of Agriculture and Industry – Monetary and Fiscal policies for Economic Development – Price policy – Role of State in Development – Role of Entrepreneurship in Economic Development.

Unit – V: Policy for Development (15 Hours)

Economic planning and its objectives – Trade Policy in development : (a) import substitution (b) export promotion- Fiscal policy for development: (a) direct Vs indirect taxes (b) pattern and level of taxation – Regional disparities – Role of public sector and Central Bank in Development.

Text Book

1. Misra S.K and V.K.Puri, Economics of Development and Planning (Theory and Practice), Himalaya Publishing House, Mumbai, 2018.

- Unit – 1 - Chapter 2 – P. Nos. 19-34 & Chapter 4 – P. Nos. 53-73.
- Unit – 2 - Chapter 7,8,9,10, 11 – P. Nos. 112-147.
- Unit – 3 - Chapter 13,14,15 – P. Nos. 157-203.
- Unit – 4 - Chapter 2 – P. Nos. 499-524 & Chapter 40 – P. Nos. 560-570.
- Unit – 5 - Chapter 2 – P. Nos. 557-891.

2. Hendrik Van Den Berg, Economic Growth and Development (Third Edition), 2016.

Books for References

1. Debraj Ray. Development Economics. New Delhi, Oxford University Press, 1998.
2. Kausikh Basu. Analytical Development. New Delhi, Oxford University press, 1999.
3. Agarwal.A.N. and Kundanlal. Economics of Development and planning. New Delhi, Vikas Publishing House, 2006.
4. Karnati Lingaiah. Economic Growth and Development Models. New Delhi, Chand & Co. Ltd, 2001.
5. Robert J.Barro and Xavier Salai Martin. Economic Growth. USA, The MIT Press, 2007.

Journals

1. [https://www.springer.com/journal/10887/journal of economic growth](https://www.springer.com/journal/10887/journal%20of%20economic%20growth)
2. [https://www.journals.uchicago.edu/toc/edcc/current/economicdevelopmentandculturalchange /](https://www.journals.uchicago.edu/toc/edcc/current/economicdevelopmentandculturalchange/)
3. <https://www.journals.elsevier.com/journal-of-development-economics>
4. <https://onlinelibrary.wiley.com/journal/14679361> Reviewofdevelopmenteconomics
5. <https://www.journals.elsevier.com/world-development>

Web Resources

1. https://nios.ac.in/media/documents/SrSec318NEW/318_Economics_Eng/318_Economics_Eng_Lesson3.pdf
2. <https://www.economicshelp.org/blog/57/growth/explaining-theories-of-economic-growth/>
3. <https://pages.nyu.edu/debraj/Courses/GrDev13/Notes/10dnote.pdf>
4. <https://www.economicdiscussion.net/economic-growth/models-economic-growth/models-of-economic-growth-with-diagram-macroeconomics/26622>
5. <https://hardeebusiness.com/resources/measuring-economic-growth-and-development>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|-------------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| I | E751 | Economics of Growth and Development | | | | | | | | | 5 | 5 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1.9 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2.6 | |
| CO3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO4 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.4 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|--|-------|---------|
| II | E855 | ADVANCED MICRO ECONOMIC THEORY-II | 6 | 5 |

Course Objectives:

1. To learn relevant perfect market structure.
2. To study the nature of imperfect market structure.
3. To understand factor pricing under perfect market structure.
4. To demonstrate factor pricing under imperfect market structure.
5. To evaluate knowledge on general equilibrium and welfare economics.

Course Outcomes:

After the successful completion of the course, the student will be able to

| S.No | CO-Statement | Cognitive level(K-level) |
|------|--|--------------------------|
| CO-1 | Understanding the relevance of perfect market structure. | K1, K2 |
| CO-2 | Comparing the nature of imperfect market structure. | K2, K3 |
| CO-3 | Analysing the factor pricing in perfect competitive market. | K3, K4 |
| CO-4 | Examining the trade union and rent theories | K4, K5 |
| CO-5 | Evaluating the general equilibrium theory and welfare economics. | K5 ,K6 |

Unit – I: Price and Output determination under Perfect Competition (18 hours)

Perfect Competition: Features – Price and Output determination of Firm and Industry in Short run and Long run – MC – MR Approach – Role of Time elements in Price determination – Economic Efficiency of perfect competition.

Unit – II: Price and Output determination under Imperfect Competition (18 hours)

Monopoly: Features – Price and Output determination of Firm and Industry in Short run and Long run – Price Discrimination – Types – Control of Monopoly. Monopolistic Competition: Characteristics – Individual and Group Equilibrium – Theory of Excess capacity – Selling Cost and Advertising Cost. Oligopoly: Features – Collusive and Non-Collusive Oligopoly – Kinked demand Curve Theory of Oligopoly – Cournot Duopoly Model.

Unit – III: Factor Pricing under Perfect Competition (18 hours)

Product and Factor Pricing – Personal and Functional Distribution – Concepts of Factor Productivity – Physical Productivity (PP) – Revenue Productivity (RP) – Factor Cost under Perfect Competition – Marginal Productivity Theory of Distribution.

Unit – IV: Factor Pricing under Imperfect Competition (18 hours)

Wage determination under Monopsony – Exploitation of factors under different forms of market Wage determination Monopsony in Factor market Perfect competition in Product in Product market, Monopsony in Factor market and monopoly in Product market – Role of Trade Union and Collective Bargaining – Ricardian Theory of Rent, Quasi Rent and Economic Rent

Unit – V: General Equilibrium and Welfare Economics (18 hours)

Meaning – Edgeworth Box and General Equilibrium of Exchange, Production and Distribution – Pareto Criterion of Social Welfare – Conditions of Pareto Efficiency – Critical evaluation of Pareto Criterion and Pareto efficiency.

Text Books

1. Koutsoyiannis. A. Modern Microeconomics 2nd Edition, Macmillan Publications. London, 2000.
2. Hall. Varian, Intermediate Microeconomics A Modern Approach, 8th Edition, Affiliated East-West Press, 2010.

Unit I – Chapters 5, P. Nos. 154-170
 Unit II – Chapters 6, P. Nos. 172-191
 Unit III – Chapters 15, P. Nos. 330-359
 Unit IV – Chapters 16, P. Nos. 360-393
 Unit V – Chapters 5, P. Nos. 185-527

Books for References

1. Ahuja H.L, Advanced Economic Theory, Micro Economic Analysis, 14th Revised Edition. S.Chand & Company Ltd., New Delhi, 2004.
2. Bell and Todaro.M.P. Economic Theory. London, Mac millan, 1980.
3. Gregory Mankiw. Principles of Economics. Australia, Thomson, 1998.
4. Samuelson.P.A, Economics. 5th Ed, New Delhi, TATA McGraw Hill, 1985.
5. Stonier.A.W and D.C Huge. A text book of Economic Theory. London, Longmans Green, 1980.

Journals

1. J. Roberts and H. Sonnenschein, (1976), “On the Existence of Cournot Equilibrium without Concave Profit Functions,” Journal of Economic Theory, vol. 13, pp. 112-117.
2. S. Grossman, (1981), “Nash Equilibrium and the Industrial Organization of Markets with Large Fixed Costs,” Econometrica, vol. 49, pp. 1149-1172,
3. H. Varian, (1981), “A Model of Sales,” American Economic Review, vol. 70, no. 4, pp. 651-659.
4. Games and Economic Behavior, ELSEVIER.
5. International Journal of Game Theory (INT J GAME THEORY). Springer.

Web Resources

1. http://www.stern.nyu.edu/networks/Roberts_Sonnenschein_On_the_Existence_of_Cournot_Equilibrium.pdf
2. http://www.stern.nyu.edu/networks/phdcourse/Grossman_S_Nash_equilibrium.pdf.
3. http://www.stern.nyu.edu/networks/phdcourse/Dixit_A_model_of_duopoly.Pdf
4. <http://www.sapub.org/journal/aimsandscope.aspx?journalid=1021>
5. <https://www.journals.elsevier.com/games-and-economic-behavior>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------|-------------------------------------|-----|-----|-----|-----|-----------------------------------|------|------|------|-------|--------------------|
| II | E855 | Advanced Micro Economic Theory – II | | | | | | | | | 6 | 5 |
| | | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs |
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1.9 |
| CO2 | | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 |
| CO3 | | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.4 |
| CO4 | | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2.7 |
| CO5 | | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2.7 |
| Mean Overall Score | | | | | | | | | | | 2.7 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|--|-------|---------|
| II | E856 | ADVANCED MACRO ECONOMIC THEORY – II | 6 | 4 |

Course Objectives

1. To learn economic fluctuations and its related theories.
2. To study about policy measures to control trade cycle.
3. To understand macroeconomic policies in present scenario.
4. To demonstrate in decision making to achieve desired economic goals.
5. To evaluate understand macroeconomic policies.

Course Outcomes

After successful completion of the course, the student will be able to

| S. No | CO – Statement | Cognitive Level (K-Level) |
|-------|--|---------------------------|
| CO-1 | Understanding about economic fluctuations. | K1, K2 |
| CO-2 | Applying policy measures to control trade cycle. | K2, K3 |
| CO-3 | Expertizing in principles of macroeconomics. | K3, K4 |
| CO-4 | Evaluating modern macroeconomic theories and policies. | K4, K5 |
| CO-5 | Creating macroeconomic variables at national and global level. | K5, K6 |

Unit - I: Inflation and Deflation (18 hours)

Inflation: Causes – Types – Methods of measuring Inflation – Economic Effects of Inflation - Theories of Inflation - Measures to control Inflation - Anti-inflation Policy – Deflation and its Effects – The difference between inflationary and deflationary gap - Phillip's Curve

Unit - II: Trade Cycle (18 hours)

Trade Cycle: Characters – Phases –Theories: Hicks – Samuelson - Cobweb – Schumpeter – Policy Measures to control Trade Cycle

Unit – III: The Modern Macro Economics (18 hours)

Radicalism – The Radicalists Attack on Keynesian Macro Economics – Rational Expectations – The Supply Side Economics: Features and it's Central Theme – It's Major Criticisms – Monetarism and Fiscalism : Similarities and Differences between them.

Unit - IV: The Basic Growth Models in Macro Economics (18 hours)

Significance – Classifications – Uses and Limitations of growth Models – The Classical Model of Economic Growth – Marxian Growth Theory – Schumpeterian Theory – Harrod- Domar Growth Models – Neo Classical Growth Model – Endogenous Growth Model.

Unit - V: Macro Economic Policy (18 hours)

Income policy–Monetary policy and Fiscal policy- Targets – Instruments – Objectives – problems of coordination of Macro Economic policy objective – Lags in Effects - Demonetization of Currency – Present Macro Economic Scenario in India.

Text Books

1. Gupta G S. “Macroeconomics Theory and Application” McGraw Hill Education, 2017.
2. Edward Shapiro, Macro Economic Analysis, 5th Edition, Harcourt Brace, Jivanocich Inc, New York, 2013.
Unit I: Chapter 4- P. Nos.54
Unit II: Chapter 5 – P. Nos. 68
Unit III: Chapter 8, P. Nos. 79
Unit IV: Chapter 11 – P. Nos. 112
Unit V: Chapter 13 – P. Nos. 137

Books for References

1. Ahuja H.L. “Macro-Economic Analysis “Chand and Sons Publications, New Delhi, 2018.
2. Bradley R. Schiller. The Macro Economy Today, 11th Edition, Tata McGraw-Hill Edition, New Delhi.
3. Dwivedi D.N., Macro Economic Theory and Policy, Tata McGraw – Hill Publishing Company Ltd, New Delhi, 2005.
4. Seth M.L., Macro Economics, Lakshmi Narayan Agarwal Educational Publishers, Agra, 2017.
5. Jhingan M. L., Macro Economic Theory, Twelfth Edition. Vrinda Publications, Pvt Ltd, Delhi, 2017.

Journals

1. Journal of Macroeconomics.
2. South Asian Journal of Macroeconomics and Public Finance.
3. Quarterly Journal of Economics.
4. Journal of Political Economy.
5. Journal of Economic Growth.

Web Resources

1. <https://www.freakonomics.com/>
2. <https://www.cbsnews.com/moneywatch/>
3. <https://hbswk.hbs.edu/>
4. <https://economics.mit.edu/>
5. <https://www.economy.com/dismal/>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|-------------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| II | E856 | Advanced Macro Economic Theory – II | | | | | | | | | 5 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2.5 | |
| CO4 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2.5 | |
| CO5 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2.8 | |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

Course

| Semester | Course Code | Title of the Course | Hours | Credits |
|-----------|-------------|-----------------------------------|----------|----------|
| II | E857 | MATHEMATICS FOR ECONOMISTS | 5 | 4 |

Objectives:

1. To learn matrices and its different components.
2. To study differentiation with various economic theories.
3. To understand the strategies of game theory.
4. To demonstrate about input-output analysis.
5. To evaluate about the integration calculus.

Course Outcomes

After the successful completion of the course, the student will be

| Sl. No. | CO – Statements | Cognitive Level (K-Level) |
|---------|--|---------------------------|
| CO – 1 | Illustrating of matrices in various economic methods. | K1, K2 |
| CO – 2 | Expertising of differentiation on diverse economic theories. | K2, K3 |
| CO – 3 | Constructing of game theory models with business strategy. | K3, K4 |
| CO – 4 | Evaluating the input-output models. | K4, K5 |
| CO – 5 | Composing of integral calculus in economic theories. | K5, K6 |

Unit - I: Matrix Functions**(15 Hours)**

Definition, types of matrices, addition and subtraction, matrix multiplication, transpose of a matrix, determinant of a matrix, inverse of matrix, Cramer's rule for solving simultaneous equations

Unit - II: Differentiation**(15 Hours)**

Demand function and curve, Total Revenue, Average Revenue and Marginal Revenue functions and curves. Total cost, Average cost and Marginal cost functions and curves. Elasticity of demand, Profit function: Maxima and Minima.

Unit – III: Game Theory**(15 Hours)**

Meaning, Classification, strategy of Game theory, Saddle point solution – Odds method and Dominance Method, limitations.

Unit – IV: Input –Output Analysis**(15 Hours)**

Meaning, types and strategy of input –output analysis – Simon Hawkin conditions – Production function – dynamic input-output model, limitations.

Unit – V: Integration**(15 Hours)**

Meaning and rule of Integration – integration by parts – Properties and application of integration in Economic theory – Costs, Revenue, Consumer's Surplus and Producer's Surplus.

Text Books

1. Edward T. Dowling, Mathematical Methods (Schaum's Series), McGraw Hill Publications, New Delhi, 2003.
2. Madnani G.M.K., and Mehta B.C., Mathematics for Economists, Sultan Chand & Sons, 9th Edition, 2008.

Unit 1 – Chapter 10 & 11, Page No- 130

Unit 2 – Chapter 2, 3 & 9, Page No- 10, 40

Unit 3 – Chapter 4, Page No- 65
 Unit 4 – Chapter 16, Page No- 120
 Unit 5 - Chapter 16 & 17, Page No- 134

Books for References

1. Vittal P.R, Business Mathematics and Statistics, Margham Publications, Chennai, 2017.
2. Chiang. A.C, Fundamentals methods of Mathematical Economics, McGraw Hill Publications, New Delhi, 2002.
3. Agarwal C.S and Joshi R.C, Mathematics for students of Economics, New Academic Publications, 2008.
4. Kam Yu, Mathematical Economics: Prelude to the Neoclassical Model, Springer Publications, New Delhi, 2020.
5. Lokesh Boro, Mathematical Economics, Bidya Bhawan Publishers private Ltd, India, 2019.

Journals

1. Journal of Mathematical Economics, Elsevier.
2. Mathematics and Financial Economics, Springer.
3. Mathematical Economics: Application of Fractional Calculus, MDPI
4. International Journal of Game Theory, Springer.
5. Journal for Quantitative Economics, Springer.

Web Resources

1. <https://www.economicsnetwork.ac.uk/teaching>
2. <http://www.math.uni-magdeburg.de>
3. <http://www.parisschoolofeconomics.com>
4. <https://mjo.osborne.economics.utoronto.ca>
5. <https://www.haverford.edu/mathematical-economics>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------|----------------------------|-----|-----|-----|-----|-----------------------------------|------|------|------|-------|--------------------|
| II | E857 | Mathematics for Economists | | | | | | | | | 5 | 4 |
| | | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs |
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| CO1 | | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2.1 |
| CO2 | | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 |
| CO3 | | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 |
| CO4 | | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2.5 |
| CO5 | | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | Term End Exam (100) |
|------------------|----------------------------|---------------------|
|------------------|----------------------------|---------------------|

| | I CA (50) | II CA (50) | Marks Allotment |
|-------------------|------------------|-------------------|------------------------|
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|-----------------------------|-------|---------|
| II | E858 | MANAGERIAL ECONOMICS | 5 | 5 |

Course Objectives

1. To learn enhance managerial principles with business activities.
2. To study the theoretical knowledge towards firm.
3. To understand the pricing practices in managerial aspect.
4. To demonstrate about the project analysis.
5. To evaluate the techniques of investment appraisal.

Course Outcomes

After the successful completion of the course, the student will be

| S. No. | CO- Statement | Cognitive Level (K-Level) |
|--------|--|---------------------------|
| CO-1 | Understanding the different managerial principles in business. | K1, K2 |
| CO-2 | Practicing behavioral theories in decision-making. | K2, K3, |
| CO-3 | Implying pricing practices. | K3, K4 |
| CO-4 | Analysing the risk and uncertainty situation. | K4, K5 |
| CO-5 | Assessing sales promotion strategies and investment appraisal. | K5, K6 |

Unit – I: Principles of Managerial Economics (15 Hours)

Definition – Nature and Scope – Principles of Managerial Economics: The Concept of Incremental Cost-Opportunity Cost –Time Perspective – The Discounting Principle –The Equi - Marginal Principle – The Discounting Principle –Relation with other Disciplines like Marketing, Finance and Personnel.

Unit – II: Modern Managerial and Behavioral Theories of Firm (15 Hours)

Theory of Baumol's Sales Revenue Maximization –O. Williams Theory – Marry's Theory on Managerial Enterprise – Behavioral Theories of Firms: Simon Theory – Cyert and Marsh's Theories.

Unit – III: Advanced Areas in Pricing Practices (15 Hours)

Peak-Load Pricing – Administered Prices – Dual Pricing –Pricing Behaviors in Large Enterprises and Small Businesses – The Pricing Process: Individuals Concerned with Pricing Decisions – Multistage Process – Pricing Considerations.

Unit – IV: Risks and Uncertainties in Decision and Project Analysis (15 Hours)

Business Decision Making – Certainty Risk and Uncertainty Risk – Pay off Matrix – Sources of Business Risks – Steps involved in the analysis of Risky Decisions – Risk Premium and Risk Adjustment – Certainty Equivalent Approach – Decision Tree Approach – Sensitivity Analysis.

Unit – V: Advertising and Modern Techniques in Investment Appraisal (15 Hours)

Advertisement: Meaning- Importance and Nature – Sales Relationship – Budgeting in Advertisement with different Media – Optimum Level of Advertisement – Economic Effect of Advertisement - Modern Techniques in Investment Appraisal: Cash Flow Approach – Net Present Value Criteria – Internal Rate of Return – Profitability Index – The Traditional Methods of Appraisal.

Text Books

1. Jeffrey M. Perloff, Managerial Economics and Strategy, 2nd Edition, Pearson Publication, 2017
2. Dominick Salvatore, Managerial Economics, 9th Edition, Oxford University Press, New York, 2020.

| | |
|------------|----------------------|
| Unit – I | Page. No: 3 - 70 |
| Unit – II | Page. No: 11-15, 584 |
| Unit – III | Page. No: 453-462, |
| Unit – IV | Page. No: 516-555 |
| Unit – V | Page. No: 341 |

Books for Reference

1. Christopher R. Thomas, Managerial Economics, 12th Edition, Richard D. Irwin, Inc., 2016.
2. Luke M Froeb, Managerial Economics, 4th Edition, Cengage Learning, 2016.
3. Samuelson, Managerial Economics, 8th Edition, John Wiley & Sons, Inc., 2015.
4. Ahuja H.L., Business Economics, Sultan Chand and Company, Pt. Ltd. New Delhi, 2017.
5. Varshney R.L., and Maheshwari K.L., Managerial Economics, Sultan Chand and Sons, New Delhi, 2019.

Journals

1. Journal of Business Economics and Management, Taylor & Francis.
2. Journal of Economics and Business, Elsevier.
3. Journal of Business Economics, Springer.
4. European Journal of Management and Business Economics, Emerald Publishing Limited.
5. Managerial and Decision Economics, Wiley.

Web Resources

1. <https://www.edx.org/learn/managerial-economics>
2. <https://libraries.ou.edu/business>
3. <https://onlinelibrary.wiley.com/journal/10991468>
4. <https://www.coursera.org/courses?query=managerial%20economics>
5. <https://libguides.uttyler.edu/c.php?g=948327&p=6838214>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|----------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| II | E858 | Managerial Economics | | | | | | | | | 5 | 5 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2.7 | |
| CO4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.7 | |
| Mean Overall Score | | | | | | | | | | | 2.7 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---------------------|-------|---------|
| III | E940 | International Trade | 6 | 4 |

Course Objectives:

1. To understand the traditional and modern theories of international trade.
2. To get thorough knowledge on various instruments of trade policies.
3. To know more about the operation of different trading agreements among the member countries.
4. To understand the overview of Indian EXIM and Foreign Trade Policies over the years.
5. To appraise on existing policy framework and promotional measures related to exports and exporters.

Course Outcomes: By the end of the course, students will be

| S.No. | Description | Cognitive Level (K-Level) |
|-------|--|---------------------------|
| CO-1 | Able to learn the traditional and modern theories of international trade | K1, K2 |
| CO-2 | Getting enough knowledge about different instruments used in international trade. | K2, K3 |
| CO-3 | Becoming more familiar with operation of various trading agreements that took place across the world over the years. | K3, K4 |
| CO-4 | Examining the features of EXIM and Foreign Trade Policies over the time period. | K4 |
| CO-5 | Analyzing the existing policy framework and better understanding of various export promotion measures. | K4, K5 |

Unit– I: Theoretical Foundations of International Trade (18 hours)

Reasons for International Trade - Modern Theories: Hecksher and Ohlin theory and Paul Krugman theory – Opportunity Cost Theory Stophler– Samuelson Theorem – Rybczynski Theorem.

Unit - II: Instruments of Commercial Policy (18 hours)

Trade policy of developing countries: Gains from trade – Balance of Payment – Devaluation-Importance of devaluation in foreign trade - Marshall-learner condition- J curve effect-Foreign trade multiplier

Unit – III: Regional Economic Integration (18 hours)

Regional Economic Integration- Free Trade Area, Customs Union, European Economic Union, and Common Market, Trade Creation and Diversion effects-Regional trade agreements.

Unit – IV: Foreign Trade Policy (18 hours)

Foreign Trade Policy -Features, Objectives, Strategy, Provision regarding Import & Export, Highlights of India's current Foreign Trade policy.

Unit -V: Policy Framework and Promotional Measures (18 hours)

India's foreign trade Policy and Mechanism. Export Promotion Measures and Infrastructure Support, Export and Trading Houses, Export Promotion Schemes and Incentives, Institutional Arrangements for Export Promotion, Export processing Zones and Special Economic Zones.

Text Books

1. Francis Cherunilam “ International Economics” , 4th Edition, Mc Graw Hill Publishers, New Delhi, 2006.
Unit 1 : Chapter 6
Unit 2 : Chapter 15, 16 & 17
Unit 3 : Chapter 13
2. Bhatia H L, “International Economics”, Vikas Publishing House, New Delhi, 2015
Unit 4 : Chapter 30
3. Francis Cherunilam F, International Trade and Export Management, Himalaya Publishing House, October 2016.

Unit 5 : Chapter

References

1. Nihanika Vij, "International Trade Law", Universal Law Publishing House, New Delhi, 2016.
2. Ram Singh, "International Trade Operations", Excel Books Publishing, New Delhi, 2009.
3. Sharma.G, "International Trade: Theory and Practice", Centrum Press, Anmol Publications, New Delhi, 2012.
4. Parthapratim Pal, "International Trade and India", Oxford University Press, New Delhi, 2014.
5. Robert C. Fenstra, "Advanced International Trade", Princeton University Press, USA, 2015.
6. Dominic Salvatore, International Economics, 13th Edition, Pearson Education Publisher: Wiley, 2019.
7. Triveni Batham Rajendra .P Maheswari, "International Trade", International Book House Pvt. Ltd, Mumbai, 2015.
8. Paul Krugman, Maurice Obstfeld and Marc Melitz, International Trade: Theory and Policy, Tenth Edition, Pearson Education Publisher, May 2017.
9. Singhal, International Trade, Singhal Law Publishers, January 2021.
10. Jeevanandam C, Victor Louis Anthuvan, Kalyani K N, Padma N, Hemavathi Sekar, " International Economics", Sultan Chand & Sons Publishers, New Delhi, 2006.

List of Journals in International Trade

1. The International Trade Journal
2. *International Journal of Trade and Global Markets*
3. Journal of International Trade Law and Policy
4. Foreign Trade Review
5. Journal of International Trade and Economic Researches
6. International Journal of Export Marketing
7. Export and Import Management

Web Resources

<https://www.globalnegotiator.com/en/infotrade-data-base>

<https://www.trade.gov/>

<https://www.globaltrade.net/>

<https://comtrade.un.org/db/>

<https://commerce.gov.in/useful-links/export-promotion-councils/>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|---------------------------|-------------------------|-------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| III | E940 | International Economics | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.5 | |
| CO4 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2.6 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---------------------|-------|---------|
| III | E941 | Public Economics | 5 | 4 |

Course Objectives:

1. To understand the concepts of public finance and provisions of social goods.
2. To enable them to understand different tax theories.
3. To study the effects of public expenditure and public debt.
4. To study about the preparation of the budget statement.
5. To understand the functions of finance commission in India.

Course Out comes:

By the end of this, students will be:

| S.No | CO-Statement | Cognitive Level -K |
|------|---|--------------------|
| CO-1 | Using the basic tools, concepts and models to solve problems in key areas of public Economics | K1 |
| CO-2 | Analysing the different theories of taxation and challenges facing by the governments. | K2,K3 |
| CO-3 | Knowing the causes and growth of public expenditure and debt in India | K4, |
| CO-4 | Providing guidelines to prepare the budget for state and local governments. | K2.K3 |
| CO-5 | Estimating the different tax was distributed to the state and the local government | K5 |

Unit – I: Nature and Scope

Role of the Government in the economic activity –Fiscal Functions: Allocation, Distribution and Stabilization functions – Provisions of private goods, public goods, social goods, merits goods and mixed goods – Welfare economics: Theory of Second Best – Arrows – Bergson.

Unit – II: Tax Revenue and Non-tax Revenue

Principle of fiscal neutrality – Excess burden – Doctrine principle of equity – Benefit principle – Bowen and Lindhal models – Ability to pay principle – Application of taxation principles in developing countries – Impacts and Incidence of Taxes: Theories of shifting and incidence: Diffusion – Concentration and Modern Theory.

Unit – III: Public Expenditure and Public Debt.

Wagner’s Law – Wiseman – Peacock hypothesis – Pure theory of public expenditure – Cannon of public expenditure – Effects of public expenditure – Causes for increasing public expenditure. Public debt: Classification – Burden–Management – Redemption – Sources – Causes for increasing public debt.

Unit – IV: Budget

Budget: components –Types - Preparation, presentation and execution of budget – Economic classification of budget – Budget deficits and their implications – Central, state and local budget (Current union budget.

Unit – V: Federal Finance and Fiscal Policy

Federal Finance: Principles of federal finance – Assignment of functions and devolution of resources and grants – Vertical and Horizontal imbalance – Transfer of resource from union to states – Recommendations of current finance commissions – Centre-state conflicts on finance. Fiscal Policy: Interdependence of monetary and fiscal policies.

Text Book:

1. Richard A.Musgrave, Peggy B.Musgrave. Public Finance in Theory and Practice, New Delhi, Tata Mcgraw Hill Publishing Company Limited, 2010.

2. Singh.S.K,Public Finance in Theory and Practices,S.Chand and Company Ltd,New Delhi,2018.

Unit-1-Chapter-1,2,3,P-1-26.

Unit-2-Chapter-8,9,10,P-94-169

Unit-3 Chapter-4,5,6,P-33-58,Ch,22-P-266,Ch,23-P-277

Unit-4 Chapter-30-P-360,Ch-31-P,367

Unit-5 Chapter-33-P-395,Ch-34,P-431,Ch-36,P-443.

References:

1. Lekhi.R.k., Public Finance, New Delhi, Kalyani Publications (P) Ltd., 2015.
2. Mithani. D.M. Principles of Public Finance and Fiscal Policy. New Delhi, Himalaya Publishing House, 2015.
3. Sundharam.K.P.M and K.K.Andly. Public Finance in Theory and Practice. New Delhi, Chand.S. Company Limited, 2015.
4. Musgrave.R.A.The Theory of Public Finance, Cambridge publication, New Delhi,2000.5.
Musgrave.R.A.,andMusgrave,P.B.PublicFinance in Theory and Practice, SecondEdition, Cambridge publication, New Delhi,200

Journals for References;

1. Economic and Political weekly,
2. Yojana
3. The Indian Economic Journal- ISSN0019-4662.
4. Journal of Political Economy-
5. American Economic Review
6. Journal of Economic Theory

Web Resources:

1. <https://www.epwrf@vsnl.com>
2. <https://www.nipf.org.in>
3. <https://www.nityyok>
4. <https://www.ministry> of public finance
5. www.mruniversity.com

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|---------------------------|-------------------------|---------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| III | E941 | Public Economics | | | | | | | | | 5 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2.7 | |
| CO4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.7 | |
| Mean Overall Score | | | | | | | | | | | 2.7 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---------------------|-------|---------|
| III | E942 | Monetary Economics | 6 | 4 |

Course Objectives:

1. To enable the students of economics to understand theories and practices monetary economics.
2. To analyse the interconnection between the classical and neo classical theories on money.
3. To shaping and influencing the monetary related policies.
4. To focus on the Money and Assets relationships in economic activities
5. To know the due relevancies of risk – return theory in every business activity of Industrialists and life of human beings

Course Outcomes:

By the end of this course, students will be:

| S.No | CO-Statement | Cognitive Level -K |
|------|--|--------------------|
| CO-1 | Developing monetary theory, to the effects of monetary variables on the macroeconomic system. | KI |
| CO-2 | Understanding the theories of both classic and neo-classic theoretical conditions. | K2,K3 |
| CO-3 | Learning the monetary policies undertake by the central government and the recent financial reforms. | K4, |
| CO-4 | Making the students to realize the importance of time factor in every human activity | K2.K3 |
| CO-5 | Inducing the students to analyze the banking and the financial operations and activities in all fields developments. | K5 |

Unit – I: Nature, Demand and Supply of money

A) Nature and scope of monetary economics: meaning – importance – functions, Definitions: Theoretical and empirical – concept of liquidity – Newlin – Radcliff committee.

B) Demand and supply of money (a brief analysis) – factors that determine demand and supply of money in India- components of money supply.

Unit – II: Classical and Neo-Classical Theories

Classical Theory of Money: - The cash transaction version – critical analysis – Cash Balance version – critical analysis – superiority of cash balance over cash transaction version.

Unit – III: Neutrality and non-neutrality of money

A) Classical and Neo-classical dichotomy – Patinkin’s integration of monetary and value theories – real balance effect.

B) The Keynesian theory of integration of monetary and value theories – Milton Friedman’s Re-statement quantity theory of money.

Unit – IV: Liquidity theories

Liquidity theory of money – Baumol’s transaction demand for money – Tobin’s portfolio balance theory of money.

Unit – V: Monetary Policy

Objectives – targets and indicators – monetarism and Keynesian, monetary transmission mechanism – time lags – monetary policy in India-Narasimhan Committee Banking in India, Rangarajan Committee on Financial Reforms.

Text Book

1. Vaish.M.C, Monetary Theory, 16th Edition, New Delhi, Vikas publication, 2005.

References

1. Growther.G. An Outline of money. London, Longmans Green, 1963.
2. Gosh.B.N. and Rama Gosh. Fundamentals of Monetary Economics. Bomboy, Himalaya Publication, 1989.
3. Gibson.W.E. and George G.Kaufman. Monetary Economics. New Delhi, Tata McGraw Hill, 1975.
4. Friedman.M. Studies in Quantity Theory of Money. Chicago, Chicago University Press, 1990.

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|---------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| III | E942 | Monetary Economics | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 2.1 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 | |
| CO4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|----------------------|-------|---------|
| III | E943 | Research Methodology | 6 | 4 |

Course Objectives:

1. To understand basic concepts of research Methodology.
2. To select suitable research and sampling design.
3. To organize and conduct research in a more appropriate manner.
4. To enhance the application knowledge to test the hypothesis.
5. To improve the skill of writing research report and thesis.

Course Outcomes:

By the end of this course, students will be:

| S. No. | Description | Cognitive Level (K-Level) |
|--------|--|---------------------------|
| CO-1 | Demonstrating the knowledge of research processes. | K1, K2 |
| CO-2 | Developing research design in using specific research. | K1, K2, K3 |
| CO-3 | Compare quantitative and qualitative research paradigms in describing sampling methods, measurement scales and instruments, and appropriate uses of each scales. | K3, K4 |
| CO-4 | Describe, descriptive inferential statistics and provide application knowledge | K4, K5 |
| CO-5 | Expertise in drafting the research report and thesis. For the specific career aspiration in higher education. | K5, K6 |

Unit - I: Nature and significance of social science research

Objectives, Types and significance of research – Research methods and methodology – Steps of research process – Criteria of good research– Research problem – Technique of formulating a problem.

Unit - II: Research design and sampling design

Research design- meaning, need and features - different models –Experimental designs – developing a research plan – Census, sample survey and participatory survey – Steps in sample design –Probability and Non Probability – Simple and complex – systematic, stratified, cluster, area, multistage and sequential sampling designs.

Unit - III: Data collection and Scaling Techniques

Methods of Collecting Primary data. Sources of Secondary data: Measurement in research – Nominal, ordinal, interval and ratio – Sources of Error in Measurement – Tests of Validity, Reliability and Practicality. Scaling Techniques: Rating and Ranking Scales – Scale Construction Techniques - Thurstone, Likert type, Cumulative Factor and Multi-dimensional scales

Unit - IV: Testing of Hypothesis

Null and Alternative Hypothesis - simple and composite hypothesis – Type I and Type II errors – critical region – level of significance – one sided and two sided tests – power of a test – decision making – small sample distributions - 't', 'F' ' χ^2 ' – Distributions – application – testing of Mean and Variance (ANOVA) – Goodness of fit.

Unit - V: Research Report Writing

Steps in writing report – Layout of reports – Types of reports – Mechanics of writing a research report – Precaution for writing reports.

Text Book:

Kothari C R and Gaurav Garg (2020), Research Methodology Methods and Techniques, 4th Edition, New Age International Publishers, New Delhi.

- Unit – I Book (Chapter – 1)
- Unit – II Book (Chapter – 2, 3, 4)
- Unit – III Book (Chapter – 5, 6, 7, 8, 9)
- Unit – IV Book (Chapter – 10, 11, 12, 13)
- Unit – V Book (Chapter – 19)

References:

1. Patricia Leavy (2017), “Research Design”, The Guilford Press, New York
2. Geoffrey Marczyk, David DeMatteo and David Festinger (2005) “Essential of Research Design and Methodology” John Wiley & Sons. Inc. New Jersey.

3. Yogesh Kumar Singh (2006), Fundamental of Research Methodology and Statistics, New Age International Publishers, New Delhi.
4. Ranjit Kumar (2011) Research Methodology, Sage Publication Ltd. New Delhi.
5. Jeremiah P. Ostriker and Charlotte V. Kuh (2003), “Assessing Research – Doctoral Programs” The National Academies Press, Washington D.C.

Journals

1. International Journal of Social Research Methodology
2. Research Methodology and Characteristics of Journal Articles.
3. Organizational Research Methods
4. International Journal of Methodology
5. Exploring Research Methodology: Review Article.

Websites

1. <https://www.businessperspectives.org>
 2. <https://www.ijrrjournal.com>
 3. <https://www.researchgate.net/publication>
 4. <https://meth.psychopen.eu>
 5. <https://journals.aijr.org/index.php/ijm>
 6. <https://ijsrm.humanjournals.com>
- <https://bmcmedresmethodol.biomedcentral.com/articles>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|----------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| III | E943 | Research Methodology | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 | |
| CO4 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2.6 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| | I CA (50) | II CA (50) | |
|------------|-----------|------------|----|
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|--|-------|---------|
| IV | E 1039 | Indian Economy: Issues and Policy | 6 | 4 |

Objectives:

| S. No. | Course Objectives |
|--------|---|
| 1 | To study the basic characteristics of economic development and economic growth. |
| 2 | To realize the causes and measures of poverty inequalities and unemployment. |
| 3 | To study the agriculture and industrial development trends in India. |
| 4 | To examine the necessity of financial systems in India |
| 5 | To evaluate the trade policies of India |

Outcomes:

After successful completion of the course, the student will be able to

| S. No. | CO- Statement | Cognitive Level (K-Level) |
|--------|--|---------------------------|
| CO-1 | Learning recent economic affairs and development schemes in India. | K1, K2 |
| CO-2 | Understanding various economic issues at local, national and global level. | K2, K3 |
| CO-3 | Discussing the development of agriculture and industry. | K4 |
| CO-4 | Evaluating the position of financial sectors of Indian economy | K4, K5 |
| CO-5 | Elucidating the trade and development of our state. | K5 |

Unit - I: Characteristics of Indian Economy (18 Hours)

Characteristics - Determinants of Economic Development- Economic and Non Economic Factors - Economic Planning Commission – NitiAayog.

Unit - II: Poverty, Unemployment and Human development. (18 Hours)

Nature - Regional variations in Poverty and Unemployment - The Recent Government programmes for eradication of Poverty and Unemployment - Human Development Index- Demographic features: Population growth - India's population policy and Development.

Unit - III: Agriculture and Industrial development (18 Hours)

(i) Agriculture: Growth of Indian agriculture and constraints; Regional variations in agricultural development - Sustainable agriculture: Need and Policies - Recent agricultural policy of India - WTO and Indian agriculture – e-NAM.

(ii) Industry: Growth and structure of Indian industry - Regional disparities in industrial Development - Impact of New Economic Policy on Indian Agricultural and Industry.

Unit - IV: Financial sector (18 Hours)

Nationalization of banks and their performance - banking sector reforms since 1991- Capital market :growth - problems - role of Securities Exchange Board of India (SEBI) - Black and Parallel Economy in India – Demonetization of currency.

Unit- V: Trade Policy (18 Hours)

Trade policy: impact of WTO on India's import, export and tariff policies- the policy of flexible exchange rates and its impact on Indian economy. Urbanization: providing urban amenities: housing, drinking water-sanitation.

Text Book:

1. Ruddardutt&Sundharam. K. P. M, "Indian Economy", Sultan Chand and Company, Ram Nagar, New Delhi.2016.

| | | |
|----------|---|-------------------|
| Unit-I | - | Part - I |
| Unit-II | - | Part - II |
| Unit-III | - | Part – III and IV |
| Unit-IV | - | Part - V |
| Unit-V | - | Part - V |

References:

1. Ahluwalia, L.J.and IMD Little (EDs), India's Economic Reforms and Development ,Oxford University Press,New Delhi. 1998.
2. Byres,T.J, The Indian Economy, Major Debates Since Independence, Oxford University Press New Delhi. 1998.
3. KausikBasu ,(ed) Oxford Companion to Indian Economy, 3rd Edition OUP, New Delhi. 2012.
4. Agrawal,A.N, Indian Economy: Problems of Development and Planning, WishwaPrakashan,Chennai, 2001.

Journals for references:

1. The Indian Economic Journal - ISSN: 0019-4662
2. Indian Economic Review - ISSN: 0019-4670
3. PRAGATI Journal of Indian Economy - ISSN: 2347-4432
4. Indian Journal of Economics and Development - ISSN: 2320-9828
5. [Economic and Political Weekly](#) - ISSN: [0012-9976](#)

Web resources:

1. <https://www.indiabudget.gov.in/economicssurvey/relatedlinks.php>
2. <https://www.themintmagazine.com/indias>
3. <https://byjus.com>
4. <https://libguides.utt Tyler.edu/c.php?g=948327&p=6838214>
5. <https://z-lib.org/>
6. <https://www.india.gov.in>
7. <https://info.ceicdata.com>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|---------------------------|-------------------------|-----------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| IV | E1039 | Indian Economy: Issues and Policy | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2.1 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 | |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.5 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|-------------------------|-------|---------|
| IV | E1040 | Environmental Economics | 6 | 4 |

Course Objectives

1. To provide a comprehensive introduction to the economic analysis of issues arising from the interactions between the natural environment and the human economy.
2. It focuses on the ecosystem-services and the challenges arising due to pollution.
3. To highlight the nature of market failure in resources allocation along with issues of social welfare.
4. To introduce various methods and techniques of valuation of non-tradable environmental goods and services on the one hand and economics of pollution control on other side.
5. To introduces developmental issues relating to trans-boundary and global pollution (climate change) and policies for their mitigation and control.

Course Outcomes:

By the end of this course, students will be:

| S. No. | Description | Cognitive Level (K-Level) |
|--------|---|---------------------------|
| CO-1 | Equipped the ability to explain core economic terms, concepts, and theories. | K1, K2 |
| CO-2 | Addressing the environmental issues in relation to the theory of externalities, public goods, and welfare. | K1, K2, K3 |
| CO-3 | Demonstrating the economic principles concerning the choice of instruments for controlling pollution by using theories. | K3, K4 |
| CO-4 | Using or Applying different methods for valuing environmental goods and services. | K4, K5 |
| CO-5 | Taking up contemporary environmental discourse from an economists' point of view. | K5, K6 |

Unit – I: Introduction to Environmental Economics

Environmental Economics – Economy and Environment Linkages – The Material Balance Principle – Public and Private goods, Private versus Social Cost - Market Failure – Trade-Off between Economic Growth and Environment – Environmental Quality as a Public Good - Sustainable Development.

Unit – II: Environmental Problems

Sources and Types of Pollution: Domestic and Industrial Pollutions (Air, Water, Solid Waste, Land Degradation) – Causes and Effects of Environmental Degradation–Urban and Rural Environmental Problems – Energy: Renewable and Non-Renewable Resources – Global Environmental Problems: Global Warming; Climate Change

Unit – III: Environmental Economic Theory for Resource Allocation

Economic Theory for Resource Allocation – Externalities – Pareto Efficiency and the Market – Limits to Growth – Coase's Theorem - Simon Kuznet's Theory – Technology Versus Environment– Population and Environment

Unit – IV: Environmental Management

Economics of Pollution Control – Environmental Impact Assessment (EIA) – Benefit / Cost Analysis – Contingent Valuation Method– Travel Cost Method – Willingness to pay approach - Valuing Environmental Benefits: Hedonic Price Approach.

Unit – V: Policy Measures

International Environmental Policy – India's Environmental Policy – Law and Environmental Protection

in India.

Text Book:

Eugine T, Environmental Economics, Vrinda Publications (P) Ltd., 2005.

Unit – I Book (Chapter – 1)

Unit – II Book (Chapter – 4)

Unit – III Book (Chapter – 14, 15)

Unit – IV Book (Chapter – 15, 18)

Unit – V Book (Chapter – 16, 20)

References:

1. Hanley Nick, Jason F. Shogren and Ben White, Environmental Economics in Theory and Practice, N.Y. Macmillan, 1997.
2. Kostald Charles D, Environmental Economics, Oxford University Press, 2002
3. Perman R. May, McGilvary M. Common Natural Resources and Environmental Economics 3rd Edition, Pearson Addison Wesley, 2003
4. Cunnigham, Environmental Economics, Raintree Publishers, Chennai, 2001
5. Karpakam, Environmental Economics, Kalyani publications, Chennai, 2021.

Journals

1. Journal of Environmental Economics and Management
2. Journal of Environmental Economics and Policy
3. Journal of Environmental Economics and Policy Studies
4. Journal of Environmental and Resource Economics
5. Review of Environmental and Economics and Policy

Websites

1. <https://www.businessperspectives.org>
2. <https://www.tandfonline.com>
3. <https://econpapers.repec.org>
4. <https://www.internationalscholarsjournals.org>
5. <https://www.cambridge.org/core/journals>
6. <https://www.jescae.com>
7. <https://www.internationalscholarsjournals.com>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|-------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| IV | E1040 | Environmental Economics | | | | | | | | | 6 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2.1 | |
| CO2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.8 | |
| CO3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.5 | |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.5 | |
| CO5 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---|-------|---------|
| IV | E1041A | INDIAN PUBLIC FINANCE (Elective Optional) | 5 | 4 |

Course Objectives;

1. To motivate the students about functioning of finance commission in India
2. To understand the relationship between central, state and local finance.
3. To know about Indian tax system
4. To create knowledge about public expenditure and public debt in India.
5. To Study deficit finance and its impact in India

Course Outcomes:

By the end of this course, students will be:

| S.No | CO-Statement | Cognitive Level -K |
|------|--|--------------------|
| CO-1 | .Knowing the constitutions regarding financial powers between central and state governments. | K1, K2 |
| CO-2 | Understanding the students about the tax system in India | K2 K3 |
| CO-3 | Calculating GST in different product | K3,K4 |
| CO-4 | Estimating the growth of public expenditure and debt in India | K4, K5 |
| CO-5 | Enabling the students to understand the sources of central, state and local finance | K5, K6 |

Unit – I: Federal Finance in India

Introduction – Stages of growth – Allocation of revenue resources between Centre and State under constitution – Finance Commission: Functions and Implementation of the recommendation – Recent finance commission and its recommendations.

Unit – II: Central, State and Local Finance

Central and state source of income – Expenditure of the central and state govt. Local Finance: Introduction – Functions – Finance of local bodies – Financial problems of local bodies – Theory, Principles and problems of fiscal federalism – Problems of Central and State financial relations in India.

Unit – III: Indian Tax System

Introduction – Salient features – Shortcomings – Central government taxes: Income tax, corporation tax, expenditure tax, death duty, estate duty, gift tax, wealth tax, capital tax, commodity tax, export and import duty – Taxes of State government: Land revenue, agriculture income tax, state excise duties – stamp duties – court fees and registration – taxes on immovable property – taxes on trade, profession and employment – entertainment tax – electricity duties and sales tax. Different approaches to the division of tax burden, incidence and effects of taxation – Elasticity and buoyancy – Taxable capacity – GST.

Unit – IV: Public Expenditure and Debt in India

Public Expenditure: Meaning – Classification – control of public expenditure – Public expenditure in UDCs – Effects. Public Debt: Characteristics - classification – Effects - burden – Management of public debt - Problems of public debt – Role of public debt in UDCs – Deficit Financing: Meaning, Objectives – causes – uses – evils – limits of deficit financing.

Unit – V: Budgetary Policy in India

Introduction – Economic, Fiscal and Budgetary policy – Objectives of budgetary policy – Distinction between fiscal policy and budgetary policy – Neutral and compensatory and functional finance – balanced budget multiplier - Budgetary policy since 1991.

Text Book:

1. Lekhi.R.k., Public Finance, New Delhi, Kalyani Publications (P) Ltd., 2015.

Unit-1-Ch-5.P-662-679.

Unit-2-Ch-10,P-789-822.

Unit-3-Ch-9,P-758-788,Ch-10,P-789-822.

Unit-4-Ch-11,P-823-838.

Unit-5-Ch-19,P-959-966.

References:

1. Richard A. Musgrave, Peggy B. Musgrave, Public Finance in Theory and Practice, New Delhi, Tata Mcgraw Hill Publishing Company Limited, 2010.
2. Mithani D.M., Principles of Public Finance and Fiscal Policy. New Delhi, Himalaya Publishing House, 2015.
3. Sundharam. K.P.M and K.K. Andly, Public Finance in Theory and Practice. New Delhi, Chand.S. Company Limited, 2015.
- 4.Mithani. D.M. Principles of Public Finance and Fiscal Policy. New Delhi, Himalaya Publishing House, 2015.

Journals:

1. Economic and Political weekly,
2. Yojana
3. The Indian Economic Journal- ISSN0019-4662.
4. Journal of Political Economy-
5. American Economic Review
6. Journal of Economic Theory

Web Resources:

1. <https://www.epwrf@vsnl.com>
2. <https://www.nipf.org.in>
3. <https://www.nityyok>
4. <https://www.ministry> of public finance
5. www.mruniversity.com

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|-----------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| IV | E1041 A | Indian Public Finance | | | | | | | | | 5 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1.9 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 | |
| CO4 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 2.5 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 2.4 | |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the course | Hours | Credits |
|----------|-------------|---|-------|---------|
| IV | E1041B | Tamil Nadu Economic Development (Elective Optional) | 5 | 4 |

Objectives:

1. To know about the natural resources of Tamil Nadu.
2. To understand the current situation of different sectors of Tamil Nadu economy.
3. To understand the performance of various sectors operating in Tamil Nadu.
4. To analyze the various welfare schemes in the developmental process of Tamil Nadu.
5. To understand more of State Planning Commission.

Outcomes:

By the end of this course, students will be:

| S. No. | Description | Cognitive Level(K-Level) |
|--------|--|--------------------------|
| CO-1 | Becoming more effective in understanding about Tamil Nadu Economy. | K1 |
| CO-2 | Knowing the current situation of sectoral composition of Tamil Nadu Economy. | K2 |
| CO-3 | Analyse the performance of different sectors of Tamil Nadu Economy | K6 |
| CO-4 | Getting knowledge about policy analysis with regard to Tamil Nadu Economy | K3, K4 |
| CO-5 | Gaining ability to compare and analyze Tamil Nadu Economy with rest of the country | K4, K5 |

Unit - I: Introduction

Concept of a regional economy – the geographical features of Tamil Nadu – Natural Resources in Tamil Nadu: Land, Forest, Water (Fisheries) and Minerals.

Unit - II: Performance of Tamil Nadu economy

Basic characteristics – Demographic trends – Resource endowment – Urbanization – Trends in state income (NSDP) – Structural growth after reforms (1991) – Dynamism of the economy.

Unit - III: Agriculture and Allied Sector

Triple contribution of agriculture to the economy – Green revolution – Productivity and Yield – Cropping pattern – Agriculture research and education – Agricultural marketing and finance – Regulated and Cooperative marketing system – Animal husbandry and poultry – Marine production.

Unit - IV: Industry and Service sector

Industry: Trends and patterns in industrial growth – Large scale and small-scale industries – FDI's – Industrial estate: SIPCOT, SIDCO - KVIC, KVIB - DIC, TIDCO, ELCOT and TIIC.

Service: Financial sector – RRBs, NABARD and Cooperatives – Transport – Roadways, Railways and Waterways – Energy – Conventional and Non-Conventional energy.

Unit - V: Social Welfare and State Planning Commission:

Some Economic Concerns: Education and Health – Unemployment – Antipoverty strategies – Women Development. State Planning Commission: Target and achievement – Financing of plans – revenue, expenditure and debt – Budget.

Text Book:

1. Perumal Samy S., "Economic Development of Tamil Nadu", S.Chand & Co, New Delhi, 2000.
Unit – I: Chapter 1, 2
Unit – II: Chapter 3
Unit – III: Chapter 4, 5

Unit – IV: Chapter 6, 7, 8

Unit – V: Chapter 12, 13, 14, 15, 16

References:

1. Leonard A. G. SJ, “Tamil Nadu Economy”, Macmillan India LTD, New Delhi, 2006.
2. Kurien C. T., “Economic Change in Tamil Nadu” S.Chand & Co, New Delhi, 2003
3. Statistics Hand Book of Tamil Nadu, Directorate of Economics and Statistics, Government of Tamilnadu, Chennai, Recent Issues.
4. Madras Institute of Development Studies, Tamil Nadu Economy: Performance and Issues, Oxford and IBH Publishing Co., New Delhi. 1988.
5. Nagaraj, Tamil Nadu Economy, MIDS., 2014.

Websites:

1. <https://www.espon.eu/Regional-Economy>
2. <https://statisticstimes.com/economy/india/tamil-nadu-economy.php>
3. <https://www.thehindu.com/opinion/lead/the-arithmetic-for-tamil-nadu>
4. https://spc.tn.gov.in/12plan_english/3a_AGRI_and_allied.pdf
5. http://tnenvis.nic.in/Database/TN-ENVIS_792.aspx
6. <https://www.ibef.org/states/tamil-nadu>
7. <https://timesofindia.indiatimes.com/city/chennai/tn-services-sectors>
8. <https://spc.tn.gov.in/aboutus.html>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------|---------------------------------|-----|-----|-----|-----|-----------------------------------|------|------|------|-------|--------------------|
| IV | E1041 B | Tamil Nadu Economic Development | | | | | | | | | 5 | 4 |
| | | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs |
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | |
| | CO1 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1.8 |
| | CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.7 |
| | CO3 | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.4 |
| | CO4 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2.6 |
| | CO5 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2.5 |
| Mean Overall Score | | | | | | | | | | | 2.5 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |

| | | | |
|----------|----|----|----|
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |

| Semester | Course Code | Title of the Course | Hours | Credits |
|----------|-------------|---|-------|---------|
| IV | | Financial Institutions and Markets (Elective Optional) | 5 | 4 |

Course Objectives:

| S. No. | Course Objectives |
|--------|---|
| 1 | To familiarize the students with the structure and composition of the financial system. |
| 2 | To explain the concepts of Interest rates in the monetary system |
| 3 | To understand the quantitative and qualitative tools of monetary policy. |
| 4 | To identify the non-banking financial intermediaries activities. |
| 5 | To facilitate an understanding of the functioning of the money and capital markets in an economy. |

Course Outcomes:

By the end of this course, students will be:

| S. No. | CO- Statement | Cognitive Level (K-Level) |
|--------|---|---------------------------|
| CO-1 | Acquiring knowledge of financial institutions. | K1, K2 |
| CO-2 | Analysing the structure of interest rates in the monetary system. | K2 |
| CO-3 | Acquiring the policies implementing on central commercial banks. | K3 |
| CO-4 | Learning the nature of financial instruments on banking and non-banking financial intermediaries. | K2 |
| CO-5 | Understanding the conceptual framework of financial market and institutions of India. | K4 |

Unit - I: Nature and Role of Financial System

(15 Hours)

Money and finance - Money and near-money-Financial intermediation and financial intermediaries - The structure of the financial system - Functions of the financial sector -Indicators of financial development - Equilibrium in Financial Markets - Financial System and Economic Development

Unit - II: Structure of Interest Rates

(15 Hours)

Theories of interest rate determination - Level of interest rates - Long period and Short period rates - Term Structure of Interest rates - Spread between lending and deposit rates - Administered interest rates - Appropriate interest rate policy.

Unit - III: The Central Bank, Commercial Banks and Monetary Policy

(15 Hours)

Functions of Central Bank - The aims and objectives of the monetary policy in developed and

developing countries - Instruments of monetary policy - Proliferation of banking and non-bank financial intermediaries - Effectiveness of monetary policy - Credit creation and its control; Profitability and efficiency of banks

Unit - IV: Non-bank Financial Intermediaries (NBFIs) (15 Hours)

Definition and types of non-bank financial institutions: growth and impact on India's economic development, Measures taken to control their operations.

Unit - V: Financial Markets (15 Hours)

Role and structure of money market and capital market - Call money market. Treasury bill market, Commercial bill market: commercial paper and certificate of deposits - Discount market - Government securities market: Primary and secondary market for securities - SEBI: its impact on the working of capital market in India; IRDA and its role in financial markets.

Text Book:

1. Bhole, L.M., Financial Institutions and Markets, Tata McGraw Hill Company Ltd., New Delhi. 1999.

References:

1. Bhole, L.M., Indian Financial System, Chugh Publications, Allahabad. 2000.
2. Edminster, R.O., Financial Institutions, Markets and Management, McGraw Hill, New York. 1986.
3. Hanson, J.A. and S. Kathuria (Eds.), India : A Financial Sector for the Twenty-first Century, Oxford University Press, New Delhi. 1999.
4. Harker, P.T. and S.A. Zenios (Ed.), Performance of Financial Institutions, Cambridge University Press, Cambridge. 2000.
5. Johnson, H.J., Financial Institutions and Markets, McGraw Hill, New York. 1993.
6. Khan, M.Y., Indian Financial System, Tata McGraw Hill, New Delhi. 1996.
7. Machiraju, M.R., Indian Financial Systems, Vikas Publishing House, New Delhi. 1999.
8. Prasad, K.N., Development of India's Financial System, Sarup & Sons, New Delhi. 2001

Journals:

1. The Journal of Financial Markets
2. International Journal of Financial Markets and Derivatives
3. Journal of Financial Markets
4. Financial Markets and Portfolio Management
5. Asia-Pacific Financial Markets (formerly Financial Engineering and the Japanese Markets),
6. International Journal of Financial Studies.
7. Journal of Capital Markets Studies

Web links:

1. <https://libguides.lums.edu.pk/c.php?g=550787&p=3781454>
2. https://www.pearsoned.co.uk/ema_uk_he_howells_finmark_5/62/15939/4080451.cw/content/index.html
3. https://gbdrrf.org/system/files/privatefiles/international_financial_institutions_ifis.pdf
4. <https://www.investopedia.com/terms/f/financialinstitution.asp>
5. <https://guides.fscj.edu/finance/web>
6. <https://www.moneyandbanking.com/>
7. <https://www.markettraderacademy.com/global-financial-markets>

Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

| Sem. | Course Code | Title of the Course | | | | | | | | | Hours | Credit |
|--------------------|-------------------------|------------------------------------|-----|-----|-----|-----------------------------------|------|------|------|------|--------------------|--------|
| IV | E1041 C | Financial Institutions and Markets | | | | | | | | | 5 | 4 |
| | Programme Outcomes (PO) | | | | | Programme Specific Outcomes (PSO) | | | | | Mean Scores of COs | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | | |
| CO1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1.9 | |
| CO2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2.8 | |
| CO3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2.6 | |
| CO4 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2.4 | |
| CO5 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2.6 | |
| Mean Overall Score | | | | | | | | | | | 2.6 | |
| Result | | | | | | | | | | | High | |

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Assessment Pattern

| Bloom's Category | CA Tests (Marks Allotment) | | Term End Exam (100) Marks Allotment |
|------------------|----------------------------|------------|-------------------------------------|
| | I CA (50) | II CA (50) | |
| Remember | 10 | 10 | 20 |
| Understand | 10 | 10 | 30 |
| Apply | 10 | 10 | 10 |
| Analyze | 10 | 10 | 10 |
| Evaluate | 5 | 5 | 10 |
| Create | 5 | 5 | 20 |