

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week

Tutorial: 60 hours

Testing and Evaluation: 30 hours

4 Credits

Semester – I

NEW No: EC1806

COURSE TITLE: MICROECONOMIC THEORY – I

**Objectives**

- i. To get familiarity with the basic concepts pertaining to consumer and product markets.
- ii. To update the recent developments in micro economic theories.

**Unit I**

Definitions, methods and laws of economics – functions of economic systems – static and dynamic analysis  
(12 hours)

**Unit II**

Consumption: Marshallian and Hicksian utility analysis – Derivation of demand curve (Samuelson, Hicks) – Application of Indifference curves in decision making. (12 hours)

**Unit III**

Choice under certainty – Neumann-Morgenstern Utility theory the Friedman Savage Hypothesis –The Markowitz Hypothesis (12 hours)

**Unit IV**

Production and costs: Variations in factor proportions – variations in scale – meaning of production functions – costs curves under different periods – cost minimization. (12 hours)

**Unit V**

Market structure: Perfect competition, monopoly and monopolistic competition – Existence, Uniqueness and stability of equilibrium: Walras and Marshall (12 hours)

**Books for Study**

1. H.L. Ahuja, Advanced Economic Theory, S.Chand and Company, New Delhi. Ed. 2005
2. Mansfield, E., Micro Economics: Theory and Applications, 1982
3. Koutsoyiannis A, "Modern Micro Economics", Singapore, the Mac Millan Press 2000
4. S.K. Misra and V.K. Puri, "Advanced Micro Economic Theory", ed. 2001
5. Chopra, P N., Micro Economics, 1986

**References:**

1. Breit, W and Hochman, H M, Readings in Micro Economics, 2000
2. Wagner, L and Baltazzis, N, Reading in Applied Micro Economics, 1973
3. Kieffer, R J and Spector, L C, Applying Micro Economics Principles, 1979
4. Blair, R D and Kenny, L W, Micro Economics for Managerial Decision Making, 1982
5. Hey, J D., Current Issues in Micro Economics, 1989
6. Baumol, William J., "Economic Theory and Operations Analysis", New Delhi: Prentice Hall of India, 1978.
7. Boulding, Kenneth E and George J Stigler (Eds), "Readings in Price Theory (American Economic Association)", London: George Allen and Unwin Ltd, 1952.
8. Cohen, K. J. and R M Cyert., "Theory of Firm: Resource Allocation in a Market Economy", New Delhi: Prentice Hall of India 1976.
9. Feguson, C E John P Gold Jr and Edward P Lazear, "Microeconomic Theory" Homewood, Illinois: Richard D Irwin, Inc, 1989.
10. Hicks, J R., "A Revision of Demand Theory", London: Oxford University Press, 1956.

**Journals**

1. *European Economic Review*

2. *Econometrica*
3. *Journal of Population Economics*
4. *American Economic Review Papers and Proceedings*
5. *Oxford Economic Papers*

#### Articles

1. Cigno A, Ermisch J (1989) A Microeconomic Analysis of the Timing of Births. *European Economic Review* 33:737–760.
2. Heckman JJ, Walker JR (1990a) the Relationship between Wages and Income and the Timing and Spacing of Births: Evidence from Swedish Longitudinal Data. *Econometrica* 58:1411–1441.
3. Walker J (1996) A Comment on Tasiran's 'Wage and Income Effects on the Timing and Spacing of Births in Sweden and in the United States'. *Journal of Population Economics*.
4. W. M. Gorman. (1953), Community Preference Fields, *Econometrica*, Vol. 21, No. 1. (Jan., 1953), pp. 63-80.
5. Donald F. Gordon, "What was the Labor Theory of Value", *American Economic Review Papers and Proceedings*, V. 49, n. 2 (May 1959): 462-472
6. R. L. Hall and C. J. Hitch, "Price Theory and Business Behaviour", *Oxford Economic Papers*, N. 2 (May 1939): pp. 12-45.

#### Websites

1. [http://ingrimayne.com/econ/Expanded\\_Table\\_Of\\_Contents.html](http://ingrimayne.com/econ/Expanded_Table_Of_Contents.html)
2. <http://www.econlib.org/library/Enc/Microeconomics.html>
3. [http://economics.about.com/od/microeconomics/a/micro\\_text.htm](http://economics.about.com/od/microeconomics/a/micro_text.htm)
4. <http://www.amazon.com/gp/product/0375428879?ie=UTF8&tag=contlife-20&linkCode=as2&camp=1789&creative=390957&creativeASIN=0375428879>
5. <http://www.amazon.com/gp/product/B000VE4UEW?ie=UTF8&tag=contlife-20&linkCode=as2&camp=1789&creative=390957&creativeASIN=B000VE4UEW>.

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DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week  
Tutorial: 60 hours

Testing and Evaluation: 30 hours  
4 Credits

Semester – I

NEW No: EC1807

COURSE TITLE: MACRO ECONOMIC THEORY – I

**Objectives**

- i. To instruct what is established and useful in macroeconomics, bringing in new ideas: and
- ii. To reflect the changing tone and emphasis that emerge from the past decade of macroeconomic events and scholarly research

**Unit I**

Classical Macroeconomics and its limitations – New Classical economics (12 hours)

**Unit II**

Keynesian Macroeconomics – Consumption function – Keynesian-Classical synthesis – Patinkin and the general equilibrium approach – New Keynesian Economics (12 hours)

### **Unit III**

Investment Demand – Classical and Keynesian theories of investment – Neo-classical investment theory (Jorgenson) – Financial and Acceleration theories – Extension of the static model to include government and foreign sector (12 hours)

### **Unit IV**

Disequilibrium macro models – Macroeconomics when markets do not clear – Introduction to a representative agent model (12 hours)

### **Unit V**

Rational Expectations – Lucas critique – Theories of inflation – Phillips curve analysis – NAIRU curve (12 hours)

### **Books for study**

1. Romer, David, *Advanced Macroeconomics*, New York: McGraw-Hill, 1996.
2. Rana, K C. and K. N. Verma, *Macro-Economic Analysis*, Vishal Publications, 1998
3. Shapiro, Edward., *Macroeconomic Analysis* ( New Delhi: Golgotia Publications Pvt. Ltd. 1988)
4. Aclay, Gardner., *Macroeconomics Analysis: Theory and Policy*, (Newyork: MacMillan Publishing Company 1978)

### **References:**

1. Allen, R G D., *Macroeconomic Theory: A Mathematical Treatment* (London: MacMillan Publishing Company 1968)
2. Branson, William H., *Macro Economic Theory and Policy* (New York: Harper and Row Publishers 1972)
3. Barro, Robert J. and Xavier Sala-i-Martin, *Economic Growth*, McGraw-Hill, 1995.
4. Surrey, M J C., *Macroeconomic Themes: Edited Readings in Macroeconomics with commentaries*, London: Oxford University Press, 1976.
5. O.J. Blanchard and S. Fischer, *Lectures in Macroeconomics*. Cambridge, Mass: M.I.T. Press, 1989

### **Journals**

1. Annals of Economics and Finance, Peking University Press
2. Current Issues in Economics and Finance, Federal Reserve Bank of New York
3. Czech Journal of Economics and Finance, Charles University
4. Economics Bulletin, Economics Bulletin
5. Economics, Management and Financial Markets, Denbride Press

### **Articles**

Articles by Romer, Grossman-Helpman, Solow, and Pack, "Symposium on New Growth Theory," *Journal of Economic Perspectives*, Winter 1994.

### **Websites**

- <http://www.imf.org>
- <http://www.wto.org>
- <http://www.economagic.com>
- <http://emginkts.com>
- <http://www.un.org>
- <http://www.worldbank.org>

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Major Core (MC)

6 Hours per week  
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4 Credits

Semester – I

NEW NO: EC1808  
COURSE TITLE: ENVIRONMENTAL ECONOMICS

**Objectives**

1. To grasp how ecology and economic development influence on another.
2. To understand the existing environmental policies for improving the quality of life.

**Unit – I: Environmental Economics – an Introduction**

Definition – importance, scope, economics and environment – Theories of optimal use of exhaustible and renewable resources – conservation of resources and bio diversity – material balance model – concept of sustainable development. **(12 hours)**

**Unit – II: The basic theory of environmental economics**

Environmental externalities – market failure – Pareto optimality and competitive equilibrium – common property resources and environmental quality as a public good – use values; option values and non use values; valuation methods – Hedonic property values and household production models (travel cost method and household health production function) **(12 hours)**

**Unit – III: Environmental Policies and Regulations**

Policy instruments for controlling water and air pollution – environmental guidelines for industries – income distribution aspects of environmental policy – Coase Theorem – concept of Carbon tax – Pigouvian taxes and Subsidies – marketable pollution permits and mixed instruments. **(12 hours)**

**Unit – IV: Environmental Planning and Management**

Problems in maintaining ecological balance – Waste Management – Protection of Biosphere – Application of Cost Benefit Analysis to resource management – Global warming and Green house effect. **(12 hours)**

**Unit – V: India's and International Environmental Awareness**

Environmental education and training in India – Constitutional protection against pollution – Wildlife Policy – Forest Policy and other environmental related legislations in India – Global Politics on environmental protection – International Agreements, conferences and acceptances. **(12 hours)**

**Books for Study**

1. Fisher, A. C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge.
2. Hadker, N. et. al. (1997), Willing to pay for Borivili National Park: Evidence form Contingent Valuation. Ecological Economics, Vol. 21.
3. Haley N., J. F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
4. Hussen, A.M. (1999), Principles of Environmental Economics, Routledge, London.
5. Jeroen, C. J. M. Van den Bergh (1999), Hand Book of Environmental and Resource Economics, Edward Elgar Publishing Ltd., U.K.

**Reference:**

1. Baumol, W.J. and W. E. Oates (1998), The Theory of Environmental Policy, (2<sup>nd</sup> Edition), Cambridge University Press, Cambridge.

2. Beman, P. (Ed.) (1995), Health Sector Reform in Developing Countries: Making Health Development Sustainable, Boston: Harvard Series on Population and International Health.
3. Blanug, M. (1972), Introduction to Economics of Education, Penguin, London.
4. Bromely, D. W. (Ed.) (1995), Hand book of Education, Pergamon Press, London.
5. Chopra, K. (1998), Valuation of Bio-diversity within Protected Areas: Alternative Approaches and a Case Study, Institute of Economic Growth, Delhi.

#### **Journals**

1. Journal of Environmental Economics and Management
2. Environmental and Resource Economics
3. Ecological Economic
4. Resource and Energy Economics

#### **Articles**

1. Sustainable Development, renewable and non-renewable resource, by Jeremy Ricardo (28 Nov. 2003)
2. The Oil Spill, Global Warming and Negative Externalities by Huge Holub (June 06, 2010)
3. The Choice of \*\*\* instruments in Enviormnetal Policy by Nathaniel O Keohane, Harward Envriomental Law Review. Vol;. 22. Pp. 313-367
4. Environmental Planning and Management of the Peri-urban interface, Perspective on an emerging field by Adrians Allen Envriomental and URbanisation, Vol. 15. Pp. 501-512
5. The Political Economy of Global Environmental Governance by Peter Newwell, Review of Inernational Studies (2002) 34, pp. 501-529

#### **Websites**

[www.reep.oxfordjournals.org](http://www.reep.oxfordjournals.org)

[www.renewableenergyworld.com](http://www.renewableenergyworld.com)

[www.fwr.org](http://www.fwr.org)

[www.costbenefitanalysis.org](http://www.costbenefitanalysis.org)

[www.environmenta.energy.gov.uk](http://www.environmenta.energy.gov.uk)

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6 Hours per week  
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4 Credits

Semester – I

NEW NO: EC1809

COURSE TITLE: MATHEMATICS AND STATISTICS FOR ECONOMISTS

**Objectives**

1. To strengthen the quantitative background of the learner.
2. To provide tools for scientific research work.

**Unit – I**

Linear Algebra: Vectors and Matrices-Operations-Determinants-Inverse-Cramer's Rule-Rank. Solution to system of linear equations. Quadratic forms. Eigen values and vectors (3 x 3 Matrices). Leontief input-output model. (12 hours)

**Unit –II:**

Derivatives-Partial Derivatives-Total Differential-Marginal and elasticity concepts. Applications. (12 hours)

**Unit – III:**

Convex and Concave functions: Optimization Technique-Maxima and Minima- First and Second order conditions-Utility and / Profit Maximization-Cost minimization. Constrained optimization (n-variables and m – constraints). Hessian, Bordered Hessian and Jacobian Determinants. (12 hours)

**Unit – IV:**

Correlation and regression coefficient – Multiple Regression –Time Series Analysis: Measures of trend and seasonal variations. (12 hours)

**Unit – V:**

Theoretical Distribution: Binomial, Poisson, and Normal distributions- Tests of Hypothesis; Student's t-test, chi-square test and Goodness of fit-analysis of Variance: one-way classification. (12 hours)

**Books for Study**

1. Allen R.G.D (1986), Mathematical Analysis for Economists, Macmillan India Ltd., 1986.
2. Chiang A.C., (1985) Fundamental Methods of Mathematical Economics, McGraw Hill Inter National Students Edition, 1985.
3. Intriligator M (1971), Mathematical Optimization and Economic Theory, Prentice Hall.
4. Hadley G.H, Linear Algebra, Addison Wesley Publications.
5. Mehta, B. C and G.M.K. Madhani (1997), Mathematics for Economists, Sultan Chand and Sons.

**References:**

1. Grewal P.S. (1990), Methods of Statistical Analysis, Streling Publishers Pvt. Ltd.
2. Gupta S. P. (1997), Statistical Methods, Sultan Chand and Sons.
3. Gupta S. C., and V.K. Kapoor, (1997), Fundamentals of Applied Statistics, Sultan Chand and Sons 1997.
4. Caroline and Dinwidy,(1998) Mathematical Economics, Schaums Series
5. Andre Francis (2004), Business Mathematics and Statistics, EMEA

**Journals**

1. Journal of Political Economy
2. Review of Economics and Statistics
3. American Economic Review
4. Journal of Economic Perspectives
5. Journal of Mathematical Economics

**Websites**

<http://www.en.wikipedia.org/wiki/statistics>

<http://www.flipkart.com/mathematics+statistics>

<http://gettextbook.com>

<http://electronicstudent.blogspot.in/20102112/free-download-business-mathematics.html>

<http://earch-ebooks.eu/business-mathematics-statistics>

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DEPARTMENT OF ECONOMICS

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6 Hours per week  
Tutorial: 60 hours  
Testing and Evaluation: 30 hours  
4 Credits

Semester – I

NEW NO: EC1810  
COURSE TITLE: INTERNATIONAL ECONOMICS

**Objectives**

1. To understand the theories governing international trade; and
2. To evaluate the policies pursued by various economic bodies in international economics.

**Unit – I:**

Law of Comparative Advantage – Comparative Advantage and Opportunity Costs – Offer curves – Terms of Trade – Factor endowments and Heckscher – Ohlin theory – Imperfect competition and international trade – Technological gap and product cycle models. **(12 hours)**

**Unit – II:**

Partial equilibrium analysis of tariff – The theory of tariff structure – The Stolper – Samuelson theorem – Metzler Paradox – Non-tariff trade barriers and the new protectionism – import quotas – Voluntary export restraints – Dumping – Customs unions and trade diversion – International capital flows. **(12 hours)**

**Unit – III:**

Balance of payments accounting principles – Equilibrium foreign exchange rates – Euro currency and offshore financial markets – Purchasing power parity theory – Monetary approach to balance of payment – the price adjustment mechanism with flexible and fixed rates – the income adjustment mechanism and synthesis of automatic adjustments. **(12 hours)**

**Unit – IV:**

Internal and external balance with expenditure changing and expenditure – switching policies – Policy mix and price changes – Optimum currency areas, the European Monetary System and the European Monetary Union – Currency Board arrangements and Dollarization. **(12 hours)**

**Unit – V:**

The Gold Standard – The Bretton Woods System – The International Monetary System – present and future – International Monetary Fund – World Bank – World Trade Organization. **(12 hours)**

**Books for Study**

1. Salvatore, Dominick, (2011), International Economics, Wiley India Pvt. Ltd., New Delhi, Ed. 8
2. Roebert J. Carbaugh (2004), International Economics, Thomson Asia Pvt. Ltd. Singapore Ed. 9
3. Charles Sawyer W and Richard Sprinkle L (2003), "International Economics, Prentice Hall of India Pvt. Ltd. New Delhi
4. Salvatore (D), (1990), Schaums Outline of Theory and Problems of International Economics.
5. Sodersten, Bo and Geoffery Reed.(1998), International Economics, Hong Kong: Macmillan Education Ltd.

**References:**

1. Kindleberger, (1976), Charles, International Economics.
2. Cherunilam, Francis., (1998) International Business, New Delhi: Wheeler Publishers,
3. W. Charles Sawyer, Richard P. Sprinkle, (2003), International Economics, Prentice Hall of India, New Delhi.
4. Heffernan and Singlari,(1990), Modern International Economics.
5. Krausel (Walter) (2000), International Economics.
6. Harrod (R.F) (2000), International Economics.

**Articles**

1. P. Krugman, "Target Zones and Exchange Rate Dynamics", Quarterly Journal of Economics, August 1991, pp 669-682

2. M. Obstfeld, "International macroeconomics: Beyond the Mundell – Fleming Model", NBER working paper 8969, July 2001
3. J.A. Frenkel and M.L. Mussa, "The Efficiency of the Foreign Exchange Market and Measures of Turbulence", Economic Review, May 1980, pp 374-381.
4. M.Taylor, "The Economics of Exchange Rate", Journal of Economic Literature, March 1995, pp. 13-47.

**Websites**

<http://www.imf.org>

<http://www.wto.org>

<http://www.economagic.com>

<http://emginkts.com>

<http://www.un.org>

<http://www.worldbank.org>

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Major Core (MC)

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Tutorial: 60 hours  
Testing and Evaluation: 30 hours  
5 Credits

Semester – II

OLD NO: EC2808/ NEW NO: 2808

COURSE TITLE: EC 2804 MICRO ECONOMIC THEORY – II

**Objectives**

- i. to deepen the understanding of the working of the firms under oligopoly market conditions; and
- ii. to introduce the concept of welfare and its implications on the society.

**Unit I**

Critique of the neoclassical theory of the firm: Alternatives to profit maximization – Full Cost or Mark up pricing (Andrews) Sales maximization (Baumol) – Behavioural theories (Simon) – Maximisation of Utility Function (Scitovsky and Williamson) – Maximisation of Marginal Utility Function (Marris). **(12 hours)**

**Unit II**

Theories of Oligopoly – Sweezy's kinked demand curve, Collusive and leadership models – Game theoretic approach to oligopoly, product differentiation – Limit Pricing. **(12 hours)**

**Unit III**

Theory of General Equilibrium – The Walrasian system – The Input – output model – Application of Input output model. **(12 hours)**

**Unit IV**

Theory of Welfare economics – New Welfare economics – Pareto Optimality Conditions – Welfare implications of the different market forms – the Compensation Principle – Social welfare function. **(12 hours)**

**Unit V**

Advanced welfare economics – Arrow's theory of collective choice – Theory of the Second Best - Contribution by A.K.Sen. **(12 hours)**

**Books for Study**

1. Scitovsky, Tibor, Welfare and Compensation (London: George Allen & Unwin Ltd 1971).
2. Little, I M D., A critique of Welfare Economics (London: Oxford University Press 1970)
3. H.L. Ahuja, Advanced Economic Theory, S. Chand and Company, New Delhi. Ed. 2005
4. S.K. Misra and V.K. Puri, "Advanced Micro Economic Theory", ed. 2001
5. Chopra, P.N. Pricing, Distribution and Welfare (Delhi: Kalyani Publishers 1975)

**References**

1. Arrow; Scitovsky, Readings in welfare economics, (London: Gerald Duckworth & Co Ltd 1969)
2. Chopra, P N., Micro Economics, 1986
3. Baumol, William J., Economic Theory and Operations Analysis (Fourth Edition) (New Delhi: Prentice Hall of India(P) Ltd 1970)
4. Dorfman, Robert, Robert Solow and Paul A Samuelson, Linear Programming and Economic Analysis. (Tokyo: Mcgraw – Hill Publication 1958).
5. Kaldor, Nicholas. Essays in value and Distribution (London: Gerald Duckworth & Co Ltd 1960).
6. Agarwal. 'A Mathematical Approach to Economic Theory', II edition.
7. Estrin & Iaidler, 'Micro Economic Analysis'.
8. Katz & Rozen 'Micro Economics'.

**Journals**

1. *European Economic Review*

2. *Econometrica*
3. *Journal of Population Economics*
4. *American Economic Review Papers and Proceedings*
5. *Oxford Economic Papers*

#### Articles

1. Cigno A, Ermisch J (1989) A Microeconomic Analysis of the Timing of Births. *European Economic Review* 33:737–760.
2. Heckman JJ, Walker JR (1990a) the Relationship between Wages and Income and the Timing and Spacing of Births: Evidence from Swedish Longitudinal Data. *Econometrica* 58:1411–1441.
3. Walker J (1996) A Comment on Tasiran's 'Wage and Income Effects on the Timing and Spacing of Births in Sweden and in the United States'. *Journal of Population Economics*.
4. W. M. Gorman. (1953). Community Preference Fields, *Econometrica*, Vol. 21, No. 1. (Jan., 1953), pp. 63-80.
5. Donald F. Gordon, "What was the Labor Theory of Value", *American Economic Review Papers and Proceedings*, V. 49, n. 2 (May 1959): 462-472
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<http://www.econlib.org/library/Enc/Microeconomics.html>

[http://economics.about.com/od/microeconomics/a/micro\\_text.htm](http://economics.about.com/od/microeconomics/a/micro_text.htm)

<http://www.amazon.com/gp/product/0375428879?ie=UTF8&tag=contlife-20&linkCode=as2&camp=1789&creative=390957&creativeASIN=0375428879>

<http://www.amazon.com/gp/product/B000VE4UEW?ie=UTF8&tag=contlife-20&linkCode=as2&camp=1789&creative=390957&creativeASIN=B000VE4UEW>.

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DEPARTMENT OF ECONOMICS

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6 Hours per week  
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Testing and Evaluation: 30 hours  
5 Credits

Semester – II

OLD NO: EC2805 / NEW NO: 2809  
COURSE TITLE: MACRO ECONOMIC THEORY – II

**Objectives**

1. *To Understand the nature and functions of trade cycles*
2. *To study the process of economic growth using growth models.*

**Unit – I:** Theories of the trade cycles: Samuelson – Hicks – Kaldor – Goodwin. **(12 hours)**

**Unit –II:** Growth models: Solow Growth model – Infinite Horizon and Overlapping Generations Models: The Ramsey – Cass- Koopmans model – The Diamond Model. **(12 hours)**

**Unit – III:** Beyond the Solow Model: Growth Theory – Research and Development Models – A Model of Human Capital and Growth. **(12 hours)**

**Unit – IV:** Real –Business Cycle Theory, Traditional Keynesian Theories of Fluctuations. Microeconomics foundations – The Lucas imperfect – Information model, Rational expectations hypothesis. **(12 hours)**

**Unit – V: New Keynesian Economics – Coordination – Failure Models and Real Non- Walrasian Theories – Inflation and Monetary Policy – Seignorage and Inflation. (12 hours)**

**Books for Study:**

1. Romer, David, (1996), Advanced Macroeconomics, New York: McGraw – Hill.
2. Rana, K. C. and K. N Verma, (1998), Macro-Economic Analysis, Vishal Publications.
3. Barro, Robert J. and Xavier Sala-i-Martin, (1995), Economic Growth, McGraw-Hill.
4. O.J. Blanchard and S. Fisher, (1989), Lectures in Macroeconomics, Cambridge, Mass: M.I.T Press.
5. Weintraub (E. Roy), (2000), Micro foundations, McGraw – Hill Publications.
6. Dornbusch, Fischer and Starz, (2005), Macroeconomics, Ed. 5.

**References:**

1. Acley, Gardner, (1978). Macroeconomics Analysis: Theory and Policy, (Newyork: MacMillan Publishing Company
2. Allen, R G D, (1968), Macroeconomic Theory: A Mathematical Treatment (London: MacMillan Publishing Company
3. Branson, WilliamH, (1972), Macro Economic Theory and Policy (New York: Harper and Row Publishers.
4. Shapiro, Edward, (1988) Macroeconomic Analysis ( New Delhi: Golgotia Publications Pvt. Ltd.)
5. Barro, Robert J. and Xavier Sala-i-Martin, (1995), Economic Growth, McGraw-Hill,
6. Romer, David, (1996.) Advanced Macroeconomics, New York: McGraw-Hill.
7. Articles by Romer, Grossman-Helpman, Solow, and Pack, (1994), “Symposium on New Growth Theory,” Journal of Economic Perspectives, Winter
8. Surrey, M J C, (1976), Macroeconomic Themes: Edited Readings in Macroeconomics with commentaries, London: Oxford University Press,
9. Rana, K C. and K. N. Verma, (1998), Macro-Economic Analysis, Vishal Publications.
10. O.J. Blanchard and S. Fischer, (1989.), Lectures in Macroeconomics. Cambridge, Mass: M.I.T. Press,
11. H.G. Jones, “An Introduction to modern theories of economic growth”, New York, McGraw Hill, 1976.

**Articles**

1. Diamond Peter A (1965). “national Debt in Neo-Classical Growth Model”, American Economic Review 55 (December 1126-1150)
2. Grossman Genem and Helpman, Elhaman (1991). Innovation and Growth in the Global Economy Cambridge M.A – MIT Press.
3. Krugman Paul R. (1979), “ A Model of innovation technology transfer and the world distribution of income”, Journal of Political Economy, 87 (April:253-266)
4. Loucas Robert E. Junior (1972), “Expectation and the Neutrality of the money”, Journal of the Economic Theory, 4 (April: 103-124)
5. Long John B and Blossar Charles I (1983), “Real Business Cycles”, Journal of Political Economy, 91 (February: 39-69)
6. Romer Christina D & Romer David H. (2004), “A new measure of monetary shocks Derivation and Implications”, American Economic Review 94 (September: 1055-1084)

**Websites**

<http://www.imf.org>

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<http://www.economagic.com>

<http://emginkts.com>

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5 Credits

Semester – II

NEW NO: 2812

COURSE TITLE: HUMAN RESOURCES MANAGEMENT

**Objectives**

1. To enable the students to learn the principles and practices of developing human resources
2. To enable the students to acquire skills needed for career.

**Unit – 1: Introduction**

Introduction to human resource management – definition – objectives and functions of human resource management – role and structure in the changing business scenario – organizations and changing technologies – their implications for human resource management – an overview of concept and philosophy of HRD – Role of HRD in mergers and acquisitions. **(12 hours)**

**Unit – II: Human Resource Planning**

Meaning, objectives, inter linkages with other HRM functions, processes, techniques, methods and issues relating to the following a) human resource planning b) career and succession planning c) recruitment screening selection, placement, induction, internal mobility and separation and exit interview, d) job analysis and job design e) performance appraisal and potential appraisal f) training and development g) outsourcing **(12 hours)**

**Unit – III: Compensation**

Compensation wage policy, wage and salary, administration bonus important wage legislations and their salient features, incentives and fringe benefits, dearness allowance concepts, ESOP, VRS schemes – scope, issues and effects – employment welfare safety and health related policies and procedures. **(12 hours)**

**Unit – IV: Administration**

Administration of discipline – employment grievances and their redressal, industrial relations – role of employee unions and government in industrial relations – current trends in industrial relations – industrial disputes and their settlement – trade unions – Historical perspective and problems of trade union movement in India. **(12 hours)**

**Unit – V: Social Security**

Introduction and types – social security in India – Workman's Compensation Act – ESI Act – Maternity Benefit Act – employment provident funds and Miscellaneous Act – Group Life Insurance. **(12 hours)**

**Books for Study**

1. Thomas, H. Stone, (1982), Understanding personal and Human Resources. The Dryden Press U.K.
2. Venkatarathnam, C.S. & B. K. Sriatava, (1991), Personal Management and Human Resources, Tata McGraw Hill,

**Reference:**

1. Arun Monappa, (1987), Industrial Relations, McGraw Hill, India.
2. Aswathappa, (1997), Human Resource and personal Management, Tata McGraw Hill, Bombay, India.
3. Business Today, Fourth Anniversary Issue Jan 7 to 21, 1996.
4. Lloyal, L. Bras & Raw W. Leslie, (1896), Human Resources and Personal Management, Nicar, D. Irwin, Inc. Newyork.
5. Robert, L. Mathias, John H. Jackson, (2004) Human Management, 10<sup>th</sup> edition Thomoson Publisher, Singapore.

## **Journals**

1. The International Journal of Human Resource Management
2. Human Resource Development Review
3. Journal of Management
4. Human Resource Management Journal
5. International Journal of Training and Development

## **Articles**

1. Strategic Human Resource Management: Corporate Rhetoric and Human Reality by Lynda Gratton, Veronica Hope Hailey, Philip Stiles, Catherine Truss, 252 pgs.
2. Organizational Success through Effective Human Resources Management by Ronald R Sims, 395 pgs
3. Reinvesting Human Resources Management: Challenges and New Directions by Ronald J Burke, Cary L Cooper. 283 pgs
4. International Human Resource Management: Policies & Practices for the Global Enterprise by Dennis R Briscoe, Randall S. Schuler. 494 pgs
5. Managing Human Resources: Exercises, Experiments and Applications Workbook by Alan B Clardy. 172 pgs

## **Websites**

<http://www.questia.com/library/economics-and-business/business/management/human-resource-management.jsp>

<http://www.shrm.org>

<http://www.nlma.org>

<http://www.utdlibray.com>

<http://www.geolerinig.com>

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week  
Tutorial: 60 hours  
Testing and Evaluation: 30 hours  
5 Credits

Semester – II

Old No: EC 2807 \ NEW NO: 2811  
COURSE TITLE: ECONOMETRICS

**Objectives**

- i. To get acquainted with the tools of Econometrics for applied research in Economics; and
- ii. To impart the knowledge of econometric techniques for better understanding of the methods in Economics.

**Unit I**

Nature and scope of econometrics – the econometric approach – economic theory - Statistics and econometrics – Nature and use of econometric models. (12 hours)

**Unit II**

Linear regression – Two variable regression – Multiple regression – Correlation coefficient – Multicollinearity – Extensions of linear regression – functional forms – dummy variables – Analysis of variance. (12 hours)

**Unit III**

Generalized least squares – heteroscedastic errors – Auto correlation – Errors in variables – Methods of instrumental variable – grouping of observations and grouping of equations. (12 hours)

**Unit IV**

Simultaneous equation methods – The problem of identification – Estimation – Two stage least squares – introduction to limited information and full information – maximum likelihood and three stage least squares. (12 hours)

**Unit V**

Some illustrations of the applications of econometric methods. (12 hours)

**Books for Study:**

1. Gujarati, Damodar., Basic Econometrics, Singapore: McGraw Hill, Inc 1995.
2. Johnston, J., Econometric Methods, Singapore: McGraw Hill Inc. 1994.
3. Johnson, Aaron C Jr et al., Econometrics: Basic and Applied, New York: Macmillan Publishing Co 1987.
4. Koutsoyiannis, A., Theory of Econometrics: An Introductory Exposition to Econometric Methods, London and Basingstoke: The Macmillan Pres Ltd 1979.
5. Madnani, G.M.K., Introduction to Econometrics: Principles and Applications, New Delhi: Oxfore and IBH Publishing Co Pvt. Ltd. 1994.

**Reference:**

1. Mehta, B.C. and Arun C. Mehta, Fundamentals of Econometrics, Delhi, Himalaya Publishing House 1987.
2. James Stock, Mark Watson, Introduction to Econometrics, Pearson, 2011
3. Willam Greene, Econometric Analysis, Pearson- 2011
4. Ben Vogelvang, Econometrics, Pearson – 2004
5. Jan Stewart, LenGill, Econometrics, Pearson – 1998

**Journals**

1. Economic Development and Cultural Change
2. American Economic Review
3. Review of Economics and Statistics
4. Econometrica
5. Journal of Economic Perspectives

**Websites**

<http://econ.la.psu.edu/~lecturers.htm>  
[www.ruf.rice.edu/econ400\\_files/notes.htm](http://www.ruf.rice.edu/econ400_files/notes.htm)  
[www.jstor.org/journal/08837252.htm](http://www.jstor.org/journal/08837252.htm)  
[www.bseu.by/russian/faculty5/stat](http://www.bseu.by/russian/faculty5/stat)

**Objective**

- i. To provide a framework of tools effective in the analysis of social problems; and
- ii. To discover ways to resolve social problems.

**Unit I**

Social Economics: Definition – equality in Human Societies – Principles of social doctrines: Gandhi, Marx, Amartya Sen. **(9 hours)**

**Unit II**

The world poverty situation – causes and consequences – Requisites of economic growth – Role of Government – Social security: Origin and growth — Social Banking Unemployment Migration and Inequality Issues **(9 hours)**

**Unit III**

Human capital-components of Human capital- Problems in Secondary and Higher Education – Health Dimensions of development- Economic dimensions of health care-demand and supply of health care-inequalities in Health and Gender perspectives. **(9 hours)**

**Unit IV**

Economic Crimes: their prevention, Role of SEZ's –Pros and cons of SEZ's in Indian context. **(9 hours)**

**Unit V:**

Objectives-structure and nature of SHG's- functions of SHG's-organizational functions- economic functions -social functions - SHG's and women empowerment. Discrimination: Sources, kinds and costs – consumerism: Provision of Information – Prevention of and Protection from Business Manipulation. **(9 hours)**

**Books for Study**

1. Ed. S.J. Ambrose Pinto Indian Reality: Debt and Development -New Delhi: Indian Social Institute, 2000
2. Rao, M. Gonda Development, Poverty, and fiscal policy Decentralization of
3. Institutions-New Delhi: OUP, 2002
4. Ed. Kumar T. Ravi Research papers in Applied Finance - Hyderabad: The Institute of Chartered Financial Analysts of India, 1999
5. Sondhi, M. L. Towards a New Era Economic, Social & Political Reforms
6. Indian council of Social Sciences Research, -New Delhi: Har-Anand Publications Pvt. Ltd., 2001
7. Dutt, R.C. Problems of India's Development-New Delhi: Gyan Publishing House, 1994

**References:**

1. Culyer, A.J., The Economics of Social Policy, London: Martin Robertson and Co Ltd. 1973
2. Douglass C North and Roger Leroy Miller, the Economics of Public Issues, New York: Harper and Row. 1971
3. Dreze, Jan and Amartya Sen, Hunger and Public Action, Oxford: Clarendon, 1989.
4. Harbison, Frederick and Charles A Myers., Education Manpower and Economic Growth Strategies of Human Resource Development, New York: McGraw-Hill Book Co. 1964
5. LeGrand, Julian and Ray Robinson., The Economics of Social Problems, London and Basingstoke, The Macmillan Press Ltd. 1976

6. Lutz, Mark and Kenneth Lux., The Challenge of Humanistic Economics, Claifornia: The Benjamine / Cummings Publishing Company Inc. 1979
7. Sandford, Cedric., Social Economics, London: Heinemann Educational Books, 1977
8. Sharp, Ansel M et al., Economics of Social Issues, New Delhi: Universal Book Stall, 1987.
9. Singh, Katar, (1999), "Rural Development- Principles, Policies and Management", Sage Pub, New Delhi.
10. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
11. Uma Kapila (2005), Indian Economy since Independence, Academic Publication, New Delhi.
12. Economic Survey , Published by Government of India

**Websites**

[www.tiss.edu](http://www.tiss.edu)  
[www.issin.org](http://www.issin.org)  
[www.isical.ac.in](http://www.isical.ac.in)  
[www.mgu.ac.in](http://www.mgu.ac.in)  
[www.cds.edu](http://www.cds.edu)  
[www.ansiss.org](http://www.ansiss.org)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Elective Subject (ES)

4 Hours per week  
Tutorial: 45 hours  
Testing and Evaluation: 15 hours  
3 Credits

Semester – II

OLD NO: EC 1951 \ NEW NO: 2954  
COURSE TITLE: AGRICULTURAL ECONOMICS

**Objective**

- i. To grasp the characteristics of modern agriculture; and
- ii. To analyze how the agricultural sector contributes to the Indian economy.

**Unit I: Agricultural Performance since Independence**

Output and productivity growth – regional and crop perspectives – agricultural growth and instability -  
Characteristics of modern agriculture (9 hours)

**Unit II: Agricultural Policy Environment**

Agricultural price policy and subsidies – the public distribution system - agricultural finance (9 hours)

**Unit III: Resource Use Efficiency**

Fertilizer, water, farm size and other inputs (9 hours)

**Unit IV: Current issues in Indian Agriculture**

Sustainable agricultural growth – concepts and constraints – prospects for dry land agriculture –  
international trade in agriculture – technology policy – market infrastructure – crop insurance. (9 hours)

**Unit V: Agricultural Exports**

Quantitative Restrictions (QRs) and non-tariff barriers – WTO and Subsidies in developed countries –  
Management of shortages and surpluses. (9 Hours)

**Books for Study**

1. Tyagi, B.P. 2004, Agricultural Economics and Rural Development, Jai Prakas Math and Co., Meerut.
2. Dhingra, I.C., 2004, Indian Economy, S Chand and son Co Pvt. Ltd. New Delhi.
3. Agarwall, A.N., 2004, Indian Economy, S Chand, New Delhi.
4. Datt, Ruddar and K.P.M Sundharam 2005, Indian Economy, Ed.52, S. Chand and Co. Pvt. Ltd. New Delhi.

**References:**

1. Vaidyanathan, A. (1994), "Performance of Indian Agriculture since Independence" in Kaushik Basu (ed.), Agrarian Questions Oxford University Press.
2. V. M. Rao, (2001), "The Making of Agricultural Price Policy: A Review of the CACP reports", journal of Indian School of Political Economy vol. XIII, no. 1, Jan – March.
3. Robert Evenson, Carl Pray and Mark Rosegrant (1999), Agricultural Research and Productivity Growth in India (IFPRI Research Report 109).
4. Gunvant Desai and A. Vaidyanathan (1995), Strategic Issues in Future Growth in Fertilizer Use in India, Macmillan.
5. Ashok Gulati (2000), "Indian Agriculture in an Open Economy: Will it Prosper?" in Manmohan Singh, Oxford University Press.

**Journals for Reference**

1. Economic and Political Weekly
2. Southern Economist
3. Yojana

**Websites**

<http://dare.nic.in>

<http://ari.gov.in>

<http://aquaculture.tn.nic.in>

<http://agricoop.nic.in>

<http://drdpat.bih.nic.in>

<http://www.nddb.org>

<http://dahd.nic.in>

<http://www.niam.gov.in>

<http://www.manage.gov.in>

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

5 Hours per week  
Tutorial: 50 hours  
Testing and Evaluation: 25 hours  
4 Credits

Semester – III

OLD NO: EC 3808 \ NEW NO: 3808  
COURSE TITLE: MONETARY ECONOMICS

**Objectives:**

- i. to capture the influence of money on the real economy; and,
- ii. to discuss the recent demand and supply theories of money.

**Unit I: Concepts of Money**

Definition and Function, Classification of Money-Traditional and modern – concepts of liquidity – Newlyn – Radcliffe Committee – Gurley-Shaw and others. **(10 hours)**

**Unit II: Demand for Money**

Analysis of the demand for money – transactions demand for money – Baumol's asset demand for money – Keynes speculative demand for money – Friedman's restatement – Gurley and Shaw thesis ( Inside and Outside Money) **(10 hours)**

**Unit III: Classical and Neo-Classical Views on Money**

Neutrality and non-neutrality of money – classical and neoclassical dichotomy - integration of monetary and value theories **(10 hours)**

**Unit III: Keynesian and Post Keynesian Views on Money**

Keynes – Patinkin and the real balance effect – Keynesians vs. monetarists - monetary policy – goals, techniques and constraints - transmission mechanism of monetary policy - problem of lags **(10 hours)**

**Unit V: The Nature of Money Supply and overview**

Theories of money supply — Nature and role of Financial System, Development Financial institutions – Banking and Non-banking institutions. **(10 hours)**

**Books for Study**

1. Aschheim Joseph and Ching Yao Hsieh, 1969, *Macro Economics: Income and Monetary Theory*, Charles E Merrill Publishing Co. Columbus, Ohio
2. Chick, Victoria., 1977, *The Theory of Monetary Policy*, Pargate Books/ Basil Blackwell
3. McCallum, B.T., 1989, *Monetary Economics: Theory and Policy*, New York: Macmillan Publishing Company, 1989, Maxwell Macmillan International Editions.
4. Hagger, A.J., 1977, *Inflation Theory and Policy*, London: The Macmillan Press Ltd.

**Books for Reference**

1. Laidler, David E.W., 1972, *The Demand for Money: Theories and Evidenc*: Allied Publishers Private Ltd., Chennai.

2. Newlyn, W.T., 1971, *Theory of Money*, Clarendon Press, Oxford
3. Hosek, William R and Frank Zahn, 1977, *Monetary Theory, Policy and Financial Markets*, McGraw-Hill Book Company, New York
4. Patinkin, Don., *Money, 1965, Interest and Prices: An Integration of Monetary and Value Theory*, Harper and Row Publishers, New York
5. Sinclair, P J N., 1983, *The Foundations of Macro Economic and Monetary Theory*, Oxford University Press, Oxford
6. Luckett, D.G., 1976, *Money and Banking*, McGraw-Hill Kogakusha, Ltd.,
7. Coghlan, Richard, 1980, *The Theory of Money and Finance*, London: The Macmillan Press Ltd.
8. Cargill, T.F., *Money, 1979, The Financial System and Monetary Policy*, New Jersey: Prentice-Hall Inc
9. Bhole L.M. -*The financial institutions and markets*-Tata Mc-Grawhill Publishing co, Ltd Bharath.V. Pathatk-*Indian Financial System* –Pearson Edition
10. R. Glenn Hubbard (2007) *Money, the Financial System, and the Economy*
11. David E.W. Laidler (Ed.) (1999) *The Foundations of Monetary Economics*
12. Mervyn K. Lewis, Paul D. Mizen (2000) *Monetary Economics*
13. Thomas Mayer, James Duesenberry, Robert Aliber (1996)
14. *Money, Banking, and the Economy* Thomas Mayer (Ed.) (1990) *Monetary Theory*
15. David Mayes, Kevin Gardiner (2008) *Inflation: In Theory and Practice* (Routledge International Studies in Money and Banking)
16. Roger LeRoy Miller, David VanHoose (2004) *Money, Banking and Financial Markets*

#### **Journals for Reference**

1. Journal of Banking and Finance
2. Journal of Money, Credit and Banking
3. International Journal of Central Banking
4. Journal of Financial Economics

#### **Websites for reference**

- [www.rbi.org.in](http://www.rbi.org.in)
- [www.cpolicy.rbi.org.in](http://www.cpolicy.rbi.org.in)
- [www.bulletin.rbi.org.in](http://www.bulletin.rbi.org.in)
- [www.bankreport.rbi.org.in](http://www.bankreport.rbi.org.in)
- <http://mospi.nic.in>
- <http://www.indiastat.com>

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

5 Hours per week  
Tutorial: 50 hours  
Testing and Evaluation: 25 hours  
4 Credits

Semester – III

OLD NO: EC 3809 \ NEW NO: 3809  
COURSE TITLE: PUBLIC ECONOMICS - I

**Objectives:**

- i. To analyze the need for government intervention in economic activities,
- ii. Explain the role of fiscal tools in the regulation of economic activities.

**Unit I: Introduction**

Theories of Public Finance - Theories of social goods – market failure – social and private goods – Principles of allocation, distribution and stabilization. (10 hours)

**Unit II: Public Choice in a Democracy and The theory of Public Expenditure**

Contribution by Wiksell – James N. Buchanan and Gordon Tullock, K.J. Arrow.  
Wagner's law, Peacock and Wiseman hypothesis – partial and general equilibrium models – Contribution by Bowen and Lindahl, Buchanan, Samuelson and Musgrave (10 hours)

**Unit III: Cost Benefit Analysis**

Types of direct and indirect benefits and costs – public programming budgeting system – problems in the measurement of cost and benefits – criteria for public expenditure – Crude investment criteria – Discounting techniques (10 hours)

**Unit IV: Public Sector**

Size, growth, role and objectives – Public sector in India – Public sector pricing – Methods of pricing – public pricing and welfare objectives. (10 hours)

**Unit V: Public Debt**

Principles, burden and management of Public Debt (10 hours)

**Books for Study**

1. Jonathan Grober, Public Finance and Policy, Second Edition, New York; Worth Publishers, 2007
2. A.R. Prest, Public Finance in Developing Countries, Third Edition, New York, St. Martin's Press, 1985
3. Joseph E Stiglitz, Economics of Public Sector, Third Edition, New York; W.W. Norton & Co, 2000

**Books for Reference**

1. Mishan, E J., 1971, Cost Benefit Analysis, George Allen and Unwin, London
2. Herber, Bernard P., 1988, Modern Public Finance (Fifth Edition), All India Traveller Book Seller, Delhi
3. Due and Friedlander., Government Finance (Sixth Edition) Irwin Series in Economics
4. Buchanan J M., 1968, The Demand and Supply of Goods, Rand McNally and Co. Burkhead J X Miner J., Public Expenditure
5. Musgrave, R.A., 2003, Theory of Public Finance, McGraw Hill Book Company, New Delhi
6. Herber B.P (1967) Modern Public Finance, Richard D Irwin, Homewood
7. Friedman, A (1986) Welfare Economics and Social Choice theory, Martins Nijhoff, Boston

8. Mishan E.J.(1982), Cost Benefit analysis: An Informal introduction, George Allen and Unwin, London
9. Chellaiah Raja J (1971), Fiscal Policy in Under Developed Countries, George Allen and Unwin, London
10. Bhargava P.K. (1982), Centre State Financial Relations An assessment of the role of Finance Commissions, M.S. University of Baroda, Baroda.
11. Oates. W.E. (1972), Fiscal Federalism, Harcourt Brace and Johanowich, Newyourk
12. Bhargava P.K (1991), Indian Fiscal Crisis, Ashish Publicshing House, New Delhi

**Journals for Reference**

1. Economic and Political Weekly
2. Southern Economist
3. National Tax Journal
4. American Economic Review

**Articles**

1. Varian, H. A solution to the problem of externalities for making social choices "In American Economic Review", 84, December 1994, pp. 1278-1293
2. Densetz, H, The Private Production of Public goods " IN Journal of Law and Economics", 13, 1970, pp. 293-306
3. Robert, R, "Financing Public Goods, " In Journal of Political Economy", 95, 1987, pp. 420-437

**Websites for Reference**

<http://finmin.nic.in>  
<http://indiabudget.nic.in>  
<http://policies.gov.in>  
<http://finmin.nic.in/revenuesummary/login.asp>;  
[http://finmin.nic.in/topics/center\\_state\\_finance/index.html](http://finmin.nic.in/topics/center_state_finance/index.html)  
<http://finmin.nic.in/topics/legislation/index.html>;  
[http://finmin.nic.in/stats\\_data/monthly\\_economic\\_report/index.html](http://finmin.nic.in/stats_data/monthly_economic_report/index.html)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

5 Hours per week  
Tutorial: 50 hours  
Testing and Evaluation: 25 hours  
4 Credits

Semester – III

OLD NO: EC 3810 \ NEW NO: 3810  
COURSE TITLE: RESEARCH METHODS IN ECONOMICS

**Objectives:**

- i. To understand the basic ingredients of research, and,
- ii. To prepare an outline of a project in Economics

**Unit I: Research in Economics**

Meaning, Objectives, need and scope – Present position of research in Economics in India (10 hours)

**Unit II: Scientific attitude in economic research**

Dangers to be avoided – basic elements of scientific method fact, conceptual and operational definitions, assumptions, hypotheses, theories and laws – Field and documentary sources – Primary and Secondary data. (10 hours)

**Unit III: Research Design**

Meaning and types – Surveys and sampling – probability and non-probability sampling Logical – Mathematical and Statistical methods – Case study methods. (10 hours)

**Unit IV: Tools of research**

Participant and non-participant observation – Questionnaire – interview schedule – pilot study – pre-testing. (10 hours)

**Unit V: Report writing**

Plan of a research report – Style and mechanics of writing research reports. (10 hours)

**Books for Study**

1. Young, Pauline V. 1977, Scientific Social Surveys and Research, Prentice Hall of India, New Delhi.
2. Goode, 1983, William J and Paul K Hatt, Methods in Social Research, MC Graw-Hill International Book Co. London.

**Books for Reference**

1. Bhattarya S.K., 1990, Methodology in Research
2. Das Gupta, 1995, Methodology in research
3. Ferber and Verdorn, Research Methods in Economics and Business
4. Kurien C.T. (Ed), 1992. A Guide to Research in Economics, Sangam Publishers, Chennai.

**Journal for Reference**

1. International Journal of Social Research Methodology
2. Economic and Political Weekly
3. Southern Economist
4. National Tax Journal
5. American Economic Review
6. International Research Journal of Finance and Economics, European Journals, Inc

7. Erasmus Law and Economics Review, Erasmus Law and Economics Review
8. European Journal of Comparative Economics, Universita Carlo Cattaneo
9. European Journal of Economics, Finance and Administrative Sciences, European Journals Inc

#### Websites for Reference

[www.socialresearchmethods.net](http://www.socialresearchmethods.net)    [www.ncrm.ac.uk](http://www.ncrm.ac.uk)  
[www.ualberta.ca](http://www.ualberta.ca)    [www.trinity.edu](http://www.trinity.edu)  
<http://finmin.nic.in>    <http://indiabudget.nic.in>    <http://policies.gov.in>  
<http://finmin.nic.in/revenuesummary/login.asp>;    [http://finmin.nic.in/topics/center\\_state\\_finance/index.html](http://finmin.nic.in/topics/center_state_finance/index.html)  
<http://finmin.nic.in/topics/legislation/index.html>;    [http://finmin.nic.in/stats\\_data/monthly\\_economic\\_report/index.html](http://finmin.nic.in/stats_data/monthly_economic_report/index.html)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034

DEPARTMENT OF ECONOMICS

Major Core (MC)

5 Hours per week

Tutorial: 50 hours

Testing and Evaluation: 25 hours

Semester – III

3 Credits

NEW NO: 3812

COURSE TITLE: HEALTH ECONOMICS

#### Objectives:

- i. To enable the students to understand the importance of health economics.
- ii. To equip them with necessary techniques to measure the health status and health indicators

#### Unit – I: HEALTH ECONOMICS

Definition – Approaches to measurement of value of life – The role of economists in the health sector – Demand for health care – health indicators – health status and nutritional status – Medical care as an investment.

(10 hours)

#### Unit – II: HEALTH PRODUCTION FUNCTION APPROACH

Health inputs and health output – production, efficiency and health care – skills and efficiency of production of health services – Choice of health care.

(10 hours)

#### Unit – III: SUPPLY AND COST OR HEALTH CARE AND HEALTH SERVICES

Production and cost – Estimating cost functions in health care – Theory of managed care – Demand, Supply and equilibrium – The information problem – The market for health services.

(10 hours)

#### Unit – IV: ECONOMIC EVALUATION IN HEALTH CARE

Measuring costs in economic evaluation – Costing in economic evaluation – Measuring benefits in economic evaluation – Measuring and valuing outputs – Standardized measures of outcome and utility scores – QALY and DALY measures – Measuring health gains and utilities.

(10 hours)

#### Unit – V: HEALTH INSURANCE AND HEALTH POLICIES

Risk and insurance – Voluntary insurance – Social insurance systems – Health policy in India with special reference to Tamil Nadu.

(10 hours)

#### Books for Study:

1. Mepake Barbara, Lilani Kumaranayake and Normand Charles, Health Economics: An International perspective Routledge, Taylor and Francis Group, 2002.
2. Van Der Gaag and Perlman, Health, Economics and Economics Economics – proceedings of the World Congress on Health Economics, North Holland Publications, September 1980.
3. Henderson W. James, Health Economics and Policy –South Western Cengage Learning, 2008.
4. A.J. Culyer, Health Economics Routledge 2007.

#### Reference:

1. Himanusha Skar, Rout and Prashant Panda, Health Economics in India – New Century Publications – 2007

2. A.J. Culyer, Joseph P. Newhouse, Hand book of Health Economics North-Holand 2003.
3. A.J. Culyer, The Directory of Health Economics, Edward Elgar Publications, 2010
4. P.J. Feldstein, Health Care Economics, THomsan Delmer Learning, 2011
5. V.R. Fuchs, Who Shall Live? Health Economics and Social Choice, World Scientific Publications Company, 1998

**Journals**

1. Journal of Health Economics
2. Journal of Human Resources
3. Economic Development and Cultural Change
4. Journal of Development Economics
5. Review of Economics and Statistics

**Websites**

- [http://en.wikipedia.org/wiki/health\\_economics](http://en.wikipedia.org/wiki/health_economics)
- [www.healtheconomics.com](http://www.healtheconomics.com)
- [www.healtheconomics.org](http://www.healtheconomics.org)
- [www.who.int/topic/health\\_economic/en/](http://www.who.int/topic/health_economic/en/)
- [www.journals.elsevier.com/journal-of-health-economics](http://www.journals.elsevier.com/journal-of-health-economics)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Elective Subject (ES)

4 Hours per week  
Tutorial: 45 hours  
Testing and Evaluation: 15 hours  
3 Credits

Semester – III

Old No: EC 2951 NEW NO:3951  
COURSE TITLE: PRINCIPLES OF MARKETING

**Objectives:**

- iii. to comprehend the meaning and role of marketing in an economy; and
- iv. to understand the performance of marketing in various sectors, at the national and international levels.

**Unit I**

Marketing: Concept – Definition, Function and Significance of Marketing -Marketing in developing and developed countries – Social marketing and economic development in Indian context. **(9 hours)**

**Unit II**

Marketing Environment–Market segmentation and Positioning -Market mix –Marketing Strategy Buyer behavior; consumer versus organizational buyers; Consumer decision making process. **(9 hours)**

**Unit III**

Marketing information systems (MKIS) and marketing research **(9 hours)**

**Unit IV: - Four P's**

**Product Decisions:** Concept of a product; Classification of products; Major product decisions; Product line and product mix; Branding; Packaging and labeling; Product life cycle – strategic implications; New product development and consumer adoption process.

**Pricing Decisions:** Factors affecting price determination; Pricing policies and strategies; Discounts and rebates.

**Distribution Channels and Physical Distribution Decisions:** Nature, functions, and types of Distribution channels; Distribution channel intermediaries; Channel management decisions; Retailing and wholesaling.

**Promotion Decisions:** Communication Process; Promotion mix – advertising, personal selling, sales promotion, publicity and public relations (9 hours)

#### **Unit V**

Issues and Development in Marketing: Social, ethical and legal aspects of marketing; International marketing; Green marketing; Cause marketing, Relationship marketing and other developments of marketing. (9 hours)

#### **Books for study**

1. Marketing defined, explained applied Michael Levens pearson 2011
2. Principles of marketing (A South Asian perspective) Philip kotles, Gary Armstrong, Prafulla Y. Agnihotri and Ehsan ul Haque pearson 2010
3. Marketing Management Text and Cases K.S. Chandra sekar Tata McGraw Hill Education Private Limited New Delhi.

#### **References:**

1. Davar, Rusting S., *Modern Marketing Management in Indian Context*, Mumbai: Progressive Corporation Pvt. Ltd. 1979.
2. Mamoria, C.B. and R.L. Joshi, *Principles and Practice of Marketing in India*, Allahabad: Kitab Mahal, 1996.
3. Standon, William J., *Fundamentals of Marketing*, Tokyo: Mc Graw Hill Book Co. 1984.
4. Kottler, Phillip and Gary Armstrong, *Principles of Marketing*, New Delhi: Prentice Hall Pvt. Ltd., 2004
5. Mandell Maurice I and Larry J Rosenberg., *Marketing*, New Delhi: Prentice Hall International Inc, 1983.
6. Stanton, Etzel, Walker, *Fundamentals of Marketing*, Tata-McGraw Hill, New Delhi.
7. Saxena, Rajan, *Marketing Management*, Tata-McGraw Hill, New Delhi.
8. McCarthy, E.J., *Basic Marketing: A managerial approach*, Irwin, New York.

#### **Journals for references**

1. Asian Journal of Marketing International Journal of Consumer Studies
2. International Journal of Market Research International Journal of Media Management
3. Journal of Consumer Behaviour
4. Journal of Consumer Marketing.
5. Journal of Marketing
6. Journal of Marketing Channels
7. Journal of Marketing Communications

#### **Websites for references**

[www.ijmr.com](http://www.ijmr.com)

[www.marketingpower.com](http://www.marketingpower.com)

[www.wtamu.edu](http://www.wtamu.edu)

[www.springer.com](http://www.springer.com)

[www.aabri.com](http://www.aabri.com)



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Elective Subject (ES)

4 Hours per week  
Tutorial: 45 hours  
Testing and Evaluation: 15 hours  
3 Credits

Semester – III

Old No: EC2952 NEW NO: 3952  
COURSE TITLE: INDIAN ECONOMIC PLANNING AND POLICY

**Objectives:**

- i. to make the students understand the importance of planning as a technique to accelerate economic growth and development and
- ii. to make the students understand how to link various economic policies with plan objectives.

**Unit I**

Indian Economic Planning: Objectives – Strategy – rate and pattern of investment in the five-year Plans – Problems of resource mobilization – Evaluation of five year plans in India. **(9 hours)**

**Unit II**

Economic Policy: Objectives – Impact of new economic policy on poverty, unemployment and inequality in the distribution of income – Employment policy and its conflict between output and employment goals – Manpower and education policies in India. **(9 hours)**

**Unit III**

Public sector in India: Objectives – its contribution to Indian economy – recent trends in Indian PSUs (privatization and disinvestments) - PSUs pricing policies - Dual pricing, multiple pricing and administered price mechanism - Agricultural pricing policy in India. **(9 hours)**

**Unit IV**

Quality of Life in India and abroad: Poverty eradication policies in India – Target group approach – An evaluation of Rural Employment Guarantee Scheme. **(9 hours)**

**Unit V**

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. **(9 hours)**

**Books for study**

1. Dhingra, I.C. Indian Economy (New Delhi: S Chand and son Co Pvt. Ltd.) (Recent Edition)
2. Agarwall, A.N. Indian Economy (New Delhi: S Chand) (Recent Edition)
3. Datt, Ruddar and K.P.M Sundharam Indian Economy (Recent Edition) (New Delhi, S. Chand and Co. Pvt. Ltd.)
4. Uma Kapila (Ed), Indian Economy since Independence (Academic Foundation 2002)

**References:**

1. Luthra, V.P. Economic Development, Planning and Liberalisation (Ivy Publishing House 2000)
2. Planning Commission, Government of India – Ninth Five Year Plan 1997-2000 Vol. II: Thematic Issues and Sectoral programmes – 2000
3. Sen, Raj Kumar and Chatterjee, Biswajit (Ed), Indian Economy: Agenda for the 21st century (Deep and Deep Publications 2002)
4. Agarwal, A.N., *Indian Economy: Problems of Development and Planning* (Chennai: Wishwa Prakashan 2001)

**Articles**

1. Ahluwalia, Montek S (2009): "Growth, Distribution and Inclusiveness -Reflections on India's Experience" in Kaushik Basu and Ravi Kanbur Argumentsfor a Better World: Ejsays in Honour of (ed.), Amartya Sen (Oxford University Press).
2. Balakrishnan, P, K Pushpangandhan and M Suresh Babu (2000): "Trade Liberalisation and Productivity Growth in Manufacturing: Evidence from Firm Level Panel Data", Economic & Political Weekly, October.
3. Economic Performance of States in Post Reforms Period – Special Article (Source: Economic and Political Weekly) - May, 2000.
4. India's Economy — The Challenges Ahead (Source: Management and Labour Studies) - April 1995.
5. The IMF and the World Bank in the New Financial Architecture (Source : International Monetary and Financial Issues for the 1990s) – 19.04.1999

#### **Journals**

1. International Monetary and Financial Issues
2. Economic and Political Weekly
3. The Future of Economic Reforms, Oxford University Press
4. Journal of Development Economics, World Bank Reprint Series
5. Journal of Policy Modeling
6. India Economic Thinking
7. Journal of Economic Studies

#### **Websites**

1. <http://planningcommission.nic.in/aboutus/history/spemsabody.htm>
2. [http://en.wikipedia.org/wiki/Economic\\_development\\_in\\_India](http://en.wikipedia.org/wiki/Economic_development_in_India)
3. <http://www.emeraldinsight.com/journals.htm?articleid=846112&show=html>
4. <http://sae.sagepub.com/content/3/1/77.abstract>
5. [http://www.unrisd.org/unrisd/website/document.nsf/ab82a6805797760f80256b4f005da1ab/7ee221555523155dc1256c77003cfaed/\\$file/ghoslong.pdf](http://www.unrisd.org/unrisd/website/document.nsf/ab82a6805797760f80256b4f005da1ab/7ee221555523155dc1256c77003cfaed/$file/ghoslong.pdf)

6.

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Inter Disciplinary (ID)

6 Hours per week  
Tutorial: 60 hours  
Testing and Evaluation: 30 hours  
5 Credits

Semester – III

Old No: EC3875 NEW NO: 3813  
COURSE TITLE: MODERN ECONOMETRICS

**Objectives:**

- i. To enable the students to apply econometrics.
- ii. To help students understand and appreciate the potential of the subject for application.
- iii. To equip them with necessary skills to use software packages meant for Econometrics.

**Unit I: Inference and structural change**

Testing linear restrictions – Modeling and testing for structural break. (12 hours)

**Unit II: Tests of model stability**

Hansens' test, Recursive residuals and CUSUMS test, predictive test, Causality tests. (12 hours)

**Unit III: Qualitative dependent variable models**

Probit, logit, multinomial logit and tobit. (12 credit)

**Unit IV: Models for panel data**

Fixed effects and Random effects. (12 hours)

**Unit V: Time series econometrics**

Stationary stochastic processes – non stationarity and unit roots – co-integration. ARCH and GARCH (12 hours)

**Books for Study**

1. William H. Greene, 2004, Econometric Analysis Fifth edition, Pearson Education.
2. Damodhar Gujarati, 1999, Basic Econometrics, Forth edition, Vignyan Distributors
3. R.S.Pindyck & D.L. Rubinfeld, 1976, Econometric Models and Economic Forecasts – International Student edition
4. Leighton Thomas, 1996, Modern Econometrics, Pearson
5. A. H. Shidermund, 2010, Using Econometrics, Pearson

**Books for Reference**

1. Franses (Philip Hans), 2002, Concise Introduction to Econometrics, Dist. Sharma Books, Chennai
2. Maddala, G.S., 2001, Introduction to Econometrics, Ed.3, R. Publications, New Delhi
3. Wang, Peijie, 2002, Financial Econometrics Methods and Models, IBH Library Books, Chennai.
4. Singh, S.P., 1991, Econometrics and Mathematical Economics
5. Ben Vogel Vong, 2004, Econometrics, Pearson

**Journals for Reference**

1. Journal of Mathematical Economics
2. Review of Economics and Statistics
3. Econometrica
4. Applied Economics
5. MARGIN

**Website for Reference**

[www.jae.wiley.com](http://www.jae.wiley.com)

[www.jstor.org/journal/08837252.htm](http://www.jstor.org/journal/08837252.htm)  
<http://www.iisc.ernet.in>  
<http://www.uccollege.edu.in>  
<http://www.indiastudycenter.com>

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034**  
**DEPARTMENT OF ECONOMICS**

**Major Core (MC)**

**6 Hours per week**  
**Tutorial: 60 hours**  
**Testing and Evaluation: 30 hours**  
**5 Credits**

**Semester – IV**

**Old No: EC4813 NEW NO: EC 4813**  
**COURSE TITLE: PORTFOLIO THEORY AND INVESTMENT ANALYSIS**

**Objectives:**

- To enable students to appreciate the use of finance theory in Investment management.
- To provide a basis for the measurement and analysis of the risk of financial investments.

**UNIT I: FINANCIAL MARKETS AND INSTRUMENTS:**

Financial Markets – components : Money market – Bond Markets, Bond prices and yields – Equity markets, Equity evaluation models – Exchange trading and OTC trading – Regulation of Financial markets. **(12 hours)**

**UNIT II: DERIVATIVE MARKETS AND INSTRUMENTS:**

Derivative assets - Pricing Forward contracts, Mechanism of Futures trading – Put Call parity – Option pricing models – Binomial Option Pricing and Black-Scholes Option Pricing models, Swap operation. **(12 hours)**

**UNIT III: INVESTMENT STRATEGIES AND EFFICIENT MARKET HYPOTHESIS:**

Fund management and Investment alternatives, Historical Mutual fund performance, hedge funds – Market efficiency and Behavioral finance. **(12 hours)**

**UNIT IV: PORTFOLIO ANALYSIS AND FACTOR MODELS:**

Risk Return trade off – Diversification – Portfolio return and risk – Minimum Variance Portfolio Frontier – CAPM – Empirical evidence of CAPM, Multi factor models- – APT. **(12 hours)**

**UNIT V: RISK AND PERFORMANCE MANAGEMENT:**

Types of risk, Regression methods of measuring risk, Value –at- risk, risk adjusted performance measures; m-squared measure, performance measurement with changing portfolios. **(12 hours)**

**Books for Study**

1. Grinblatt M and S Titman, 2002, FINANCIAL MARKETS AND CORPORATE STRATEGY. Ed, 2McGraw Hill Irwin, London. [ISBN 0-256-09939-1]
2. Brealey and S C Myers, 1996, PRINCIPLES OF CORPORATE FINANCE. Ed 4, Tata Mc Graw – Hill Publishing Company Ltd, New Delhi. [ISBN 0-07-007405-4]
3. Copeland, T and J Weston, FINANCIAL THEORY AND CORPORATE POLICY. (Addison-Wesley,1988) [ISBN 201-10648-5].
4. Chance D M, 2004, AN INTRODUCTION TO DERIVATIVES AND RISK MANAGEMENT. Ed. 6 Thomson South – Western.
5. Prasanna Chandra, INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT, Tata Mc Graw – Hill Publishing Company Ltd, New Delhi.

**Books for Reference:**

1. Saunders A, 2000, FINANCIAL INSTITUTIONS MANAGEMENT: A MODERN PERSPECTIVE, Ed 3 Mc Graw Hill, New York.

2. Fisher D. E. and Jordan R J, 2001, SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT. Ed.6, Prentice Hall of India Private Ltd, New Delhi.
3. Elton E J., M J Gruber, S J Brown and W N Goetzman ,2003, MODERN PORTFOLIO THEORY AND INVESTMENT ANALYSIS, Ed 6, John Wiley and Sons, New York.
4. V K Bhalla, INVESTMENT MANAGEMENT – Security Analysis and Portfolio Management, S Chand and Company Ltd. New Delhi.

5. Bodie Z; A. Kane and A.J.Marcus,2005, INVESTMENTS, E.D.6., Mcgrave – Hill Irwin, London
6. Fabozzi F.J. and F. Modigliani, 2005, CAPITAL MARKETS: INSTITUTIONS AND INSTRUMENTS, Ed. 3. Prentice Hall of India Private Ltd, New Delhi.

#### **Articles for Reference**

1. Roll R, "A CRITIQUE OF THE ASSET PRICING THEORY'S TEXTS. PART 01: ON PAST AND POTENTIAL TESTABILITY OF THE THEORY". Journal of Financial Economics (1977) 4:129-176.
2. Fama E. – EFFICIENT MARKETS: A REVIEW OF EMPIRICAL WORK" Journal of Finance (1970 25: 383-417).
3. Fama E. – EFFICIENT MARKETS II, Journal of Finance (1991)46: 1575-1618.
4. Fama E. and K French- DIVIDEND YIELDS AND EXPECTED STOCK RETURNS – Journal of Financial Economics (1988) 22:3-25.
5. S J Brown and W N Goetzman 2001, HEDGE FUNDS WITH STYLE. National Bureau of Economic Research.

#### **Journals for Reference**

1. The Journal of Financial Economics.
2. Journal of Derivatives.
3. Journal of Finance.
4. Journal of Portfolio Management.
5. Journal of Alternative Investments.

#### **Web sites**

- <http://www.investtools.com>
- [http://www.commerce\\_database.com](http://www.commerce_database.com)
- <http://www.ijournal.com/jpm>
- <http://www.pacificedge.com>
- <http://www.reuter.com>

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week

Tutorial: 60 hours

Testing and Evaluation: 30 hours

5 Credits

Semester – IV

OLD NO: EC4808 NEW NO: EC 4808

COURSE TITLE: PUBLIC ECONOMICS - II

**Objectives**

- i) To understand the nature and working of fiscal policy,
- ii) To examine the revenue and expenditure administration at the national, regional and local levels

**Unit – I: Fiscal Policy**

Evolution of fiscal policy for economic development, growth and stabilization – Pump priming and counter cyclical expenditure – Compensatory finance - Fiscal dynamics and growth – Applicability of fiscal theories in growth models **(12 hours)**

**Unit II: Integration of fiscal and monetary policies**

In Keynesian and Post-Keynesian frame work. **(12 hours)**

**Unit III: Federal Finance**

Centre-State financial relations - Recommendation of the last three Finance Commissions – Finances and performance of Local bodies **(12 hours)**

**Unit IV: Indian tax and expenditure structure**

Taxes levied by Central and State Governments – Pattern of expenditure incurred by Central and State Governments – Tax and expenditure reforms in India – Deficit finance – Causes and consequences. **(12 hours)**

**Unit V: Shifting and incidence**

Incidence and output effects – Excess burden – Allocation effects. **(12 hours)**

**Books for Study**

1. Jonathan Grober, Public Finance and Policy, Second Edition, New York; Worth Publishers, 2007
2. A.R. Prest, Public Finance in Developing Countries, Third Edition, New York, St. Martin's Press, 1985
3. Joseph E Stiglitz, Economics of Public Sector, Third Edition, New York; W.W. Norton a& Co, 2000

**Books for Reference**

1. Chelliah, Raja J., 1960, *Fiscal policy in Underdeveloped Countries with special reference to India*, George Allen and Ltd., London
2. Dalton, Hume, 1971, *Principles of Public Finance*, Routledge and Kegan Paul Ltd, London
3. Musgrave, Richard A., 1959, *Theory of Public Finance: A Study in Public Economy*, McGraw Hill Kogakusha Ltd., Tokyo
4. Musgrave, Richard and Peggy B. Musgrave, 1980, *Public Finance in Theory and Practice*, McGraw Hill International Book Co., Tokyo
5. Datt, Riddar and K.P.M. Sundharam, 2005, *Indian Economy*, S. Chand and Co. Pvt. Ltd., New Delhi
6. Ulbrich H (2004): *Public Finance in Theory and Practice*, Thomson Asia Pvt. Ltd. Singapore
7. Gulati, I.S (1979), *Centre State Financial Relations: An Assessment of the Role of Finance Commission*, M.S. University of Baroda, Baroda
8. Srivatsav. D.K. (ed). (2000), *Fiscal Federalism in India*, Har Anand Publication, New Delhi
9. Stiglitz, J.E. (1986), *Economic of Public Sector*, Norton, New York

### Journals for Reference

1. Economic and Political Weekly
2. Southern Economist
3. National Tax Journal
4. American Economic Review

### Articles

1. Varian J, Redistributive Taxation as Social Insurance "In Journal of Public Economics", 14, 1980, pp. 49-68
2. Epple, D., and H. Sieg, Estimating Equilibrium Models of Local Jurisdiction, "In Journal of Political Economy", 107, August 1999, pp. 645-681
3. Bergstrom T.D., Rubinfeld, and P.Shapiro., Micro Based Estimates of Demand Functions for Local School Expenditure, "In Econometrics" 50, September 1982, pp. 1183-1205
4. Corlett, W.J. and D.C. Hague, Complementarity and the Excess Burden of Taxation, The Review of Economic Studies, Vol 21 No.1 (1953-1954)
5. Diamond, Peter A and James A Mirrlees, Optimal Taxation and Public Production II : Tax Rules, The American Economic Review, Vol 61, No. 3 (1969)
6. Fisher, Irving, Income in Theory and Income Taxation in Practice, Econometrica, Vol. 5 No.1 (Jan 1937) 1-55
7. Fisher, Irving, The Double Taxation of Savings, The American Economic Review, Vol 20 No. 1 (Mar. 1939), 16-33
8. Harberger, Arnold, The Incidence of the Corporation Income Tax, The Journal of Political Economy, Vol 70, No. 3, pp. 215-240
9. Ramesay, Rank P. A Contribution to the Theory of Taxation in Classics in the Theory of public Finance, Ed. R.A. Musgrave and A.T. Peacock. (1958)
10. Epple, D. and H. Sieg, Estimating Equilibrium Models of Local Jurisdictions, Journal of Political Economy, 107, August 1999, pp. 645-681
11. Epple, D. And A. Zelenitz, The Implications of Competitions among Jurisdictions: Does Tiebout Need Politics?, Journal of Political Economy 89, 1981, pp 1197-1217
12. Wheaton W, The Incidence of Inter-jurisdictional Differences in Commercial Property Taxes, National Tax Journal 37, December 1984, pp. 515-528
13. Bergstorm, T.D., Rubinfeld and P. Shapiro., Micro-Based Estimates of Demand Function for Local School Expenditures, Econometrica 50, September 1982, pp. 1183-1205
14. Gramlich, E. And D. Rubinfeld, Micro Estimates of Public Spending Demand Functions and Tests of Tiebout and Median Voter Hypotheses, Journal of Political Economy 90 June 1982, pp. 536-560
15. Schwab, J and E. Zampelli, Disentangling the Demand Function from the Production Function for Local Public Services The Case of Public Safety, Journal of Public Economics 33, 1987, pp. 245-260

### Websites for Reference

- <http://finmin.nic.in>
- <http://indiabudget.nic.in>
- <http://policies.gov.in>
- <http://finmin.nic.in/revenuesummary/login.asp>
- [http://finmin.nic.in/topics/center\\_state\\_finance/index.html](http://finmin.nic.in/topics/center_state_finance/index.html)
- [http://finmin.nic.in/the\\_ministry/dept\\_eco\\_affairs/economic\\_div/eco\\_survey/index.htm](http://finmin.nic.in/the_ministry/dept_eco_affairs/economic_div/eco_survey/index.htm)
- [http://finmin.nic.in/stats\\_data/central\\_govt\\_borrowings/index.html](http://finmin.nic.in/stats_data/central_govt_borrowings/index.html)
- [http://finmin.nic.in/foreign\\_investment/dissinvestments/index.html](http://finmin.nic.in/foreign_investment/dissinvestments/index.html)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week

Tutorial: 60 hours

Testing and Evaluation: 30 hours

5 Credits

Semester – IV

OLD NO: EC4809 NEW NO: \_\_\_\_\_

COURSE TITLE: INDIAN ECONOMIC DEVELOPMENT AND POLICY

**Objectives**

To analyze basic Indian economic problems and  
To find out solutions for economic and social maladies

**Unit I: Characteristics**

Current characteristics of Indian Economy – Determinants of Economic Development – Economic and non-economic factors. **(12 hours)**

**Unit II: Human Resource Development**

Concept and Measures of Human Development – Human Development index in India – International comparisons – National human development report – Progress of Human development in India – Future directions. Size and growth rate of population in India – Features of Indian population – National Population Policy 2011 – Population projections for India 2021. **(12 hours)**

**Unit III: Industrial Development**

Over view of the Industrial scene in India – Trends in growth & productivity, competitiveness and changes in policy regimes. Issues relating to the compositions of Indian industry – small vs large industry – public vs private sectors – privatization - Financing of industry – trends in industrial regulation and control – employment growth in the industrial sector. **(12 hours)**

**Unit IV: Policy and Infrastructure**

Energy – Power – Highways – Railways – Water Transport – Civil Aviation – Communication network – Urban infrastructure – Private investment in Infrastructure – Outlook and Prospects. **(12 hours)**

**Unit V: Poverty**

Poverty, inequality and planning process in India – Studies of poverty in India – International comparisons of poverty and inequalities of income – Economic reforms and reduction of poverty – causes of failure to remove poverty – poverty eradication programs. **(12 hours)**

**Books for Study**

1. Tyagi, B.P. 2004, Agricultural Economics and Rural Development, Jai Prakas Math and Co., Meerut.
2. Dhingra, I.C., 2004, Indian Economy, S Chand and son Co Pvt. Ltd. New Delhi.
3. Agarwall, A.N., 2004, Indian Economy, S Chand, New Delhi.
4. Datt, Rudder and K.P.M Sundharam 2005, Indian Economy, Ed.52, S. Chand and Co. Pvt. Ltd. New Delhi.

**Books for Reference**

1. Planning Commission, Government of India – Ninth, Tenth and Eleventh Five Year Plan Documents.
2. Centre for Monitoring Indian Economy – Recent Issues
3. J. Bhagwati, India in Transition: Freeing the Economy, Clarendon Oxford.
4. NCAER The India Infrastructure Report (Rekesh Mohan Committee).
5. Department of Disinvestment, White paper, 2000.
6. Dilip Mookherjee, ed. (1995), Indian Industry, Oxford University Press, New Delhi.

## Articles

1. Ahluwalia, Montek S (2009): "Growth, Distribution and Inclusiveness -Reflections on India's Experience" in Kaushik Basu and Ravi Kanbur Arguments for a Better World: Essays in Honour of (ed.), Amartya Sen (Oxford University Press).
2. Balakrishnan, P, K Pushpangandhan and M Suresh Babu (2000): "Trade Liberalisation and Productivity Growth in Manufacturing: Evidence from Firm Level Panel Data", Economic & Political Weekly, October.
3. Economic Performance of States in Post Reforms Period – Special Article (Source: Economic and Political Weekly) - May, 2000.
4. India's Economy — The Challenges Ahead (Source: Management and Labour Studies) - April 1995.
5. The IMF and the World Bank in the New Financial Architecture (Source : International Monetary and Financial Issues for the 1990s) – 19.04.1999

## Journals

1. International Monetary and Financial Issues
2. Economic and Political Weekly
3. The Future of Economic Reforms, Oxford University Press
4. Journal of Development Economics, World Bank Reprint Series
5. Journal of Policy Modeling
6. India Economic Thinking
7. Journal of Economic Studies

## Websites

<http://planningcommission.nic.in/aboutus/history/spemsabody.htm>

[http://en.wikipedia.org/wiki/Economic\\_development\\_in\\_India](http://en.wikipedia.org/wiki/Economic_development_in_India)

<http://www.emeraldinsight.com/journals.htm?articleid=846112&show=html>

<http://sae.sagepub.com/content/3/1/77.abstract>

[http://www.unrisd.org/unrisd/website/document.nsf/ab82a6805797760f80256b4f005da1ab/7ee221555523155dc1256c77003cfaed/\\$file/ghoslong.pdf](http://www.unrisd.org/unrisd/website/document.nsf/ab82a6805797760f80256b4f005da1ab/7ee221555523155dc1256c77003cfaed/$file/ghoslong.pdf)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week  
Tutorial: 60 hours  
Testing and Evaluation: 30 hours  
4 Credits

Semester – IV

OLD NO: EC4809 NEW NO: EC 4816  
COURSE TITLE: ENTREPRENEURIAL ECONOMICS

**Objectives**

- i. to familiarize the students with the entrepreneurial procedures and problems;
- ii. to enable the students to become effective and efficient entrepreneurs.

**UNIT – I**

Meaning – origin – Definition — Entrepreneur and Enterprise – characteristics and types of entrepreneurs – role of entrepreneurship in economic development. (12 hours)

**UNIT – II**

Competing theories of Entrepreneurship  
The theories and conceptual models of entrepreneurship – Schumpeter's theory of innovation – McClelland's theory of achievement – Peter Drucker's theory of 'opportunity' - Walker's theory. (12 hours)

**UNIT – III**

Entrepreneurial motivation and performance  
The motivating factors, entrepreneurial ambitions, compelling factors, facilitating factors – evaluating entrepreneurial performance and problems – Role of NBFIs and BFI in entrepreneurial development – factors promoting the growth of entrepreneurship. (12 hours)

**UNIT – IV**

Project identification and formulation  
Meaning of project, project identification-project classification (internal and external constraints) – project objectives, desk research and techno-economic survey – project life cycle – project report, selection – project formulation, financial institutions and government. (12 hours)

**UNIT – V**

Women entrepreneurship and entrepreneurial scene in India  
Definitions – challenges and strategies for the development of women entrepreneurship – institution supporting women entrepreneurship in India – contribution of entrepreneurs in favorable conditions. (12 hours)

**Books for study**

1. Drucker Peter.F. Innovation and Entrepreneurship.

**Books for Reference**

1. Gupta.C.B and N.P.Srinivasan - Entrepreneurial Development.
2. Dr.Jayashree Suresh – Entrepreneurial Development.

**Journals**

1. South East European Journal of Economics and Business, Versita for the School of Economics and Business in Sarajevo
2. Theoretical Economics, Be press publication
3. International Review of Economics Education, Economics LTSN
4. Journal of Applied Economics, Universidad del CEMA
5. Journal of Economics and Finance Education, Academy of Economics and Finance
6. Entrepreneurship

**WEBSITES:**

[www.pearsoned.co.in](http://www.pearsoned.co.in)

[www.ciionline.org](http://www.ciionline.org)  
[www.sabalaindia.com](http://www.sabalaindia.com)  
[www.ediindia.org](http://www.ediindia.org)  
[www.bizwomen.com](http://www.bizwomen.com)

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600034  
DEPARTMENT OF ECONOMICS

Major Core (MC)

6 Hours per week

Semester – IV

5 Credits

NEW NO: \_\_\_\_\_  
COURSE TITLE: PROJECT