

# MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

## M.Phil DEGREE COURSE IN ECONOMICS

### SEMESTER SYSTEM WITH CREDITS

### REGULATIONS

(Effective from the academic year 2016-17 and thereafter)

M.Phil Economics

Course duration: One Year

System: Choice Based Credit System (CBCS)

(CBCS wherein one credit equals one lecture hour per week)

No. of Semesters: Two

#### 1. Condition for Admission

A candidate who has passed degree in M.A. (Economics)/ M.A/M.Sc.,Econometrics/ M.Sc., Mathematical Economics, with 50 percent marks in PG is eligible.

#### 2. Theory papers and Dissertation

M.Phil in Economics consists of two theory papers in the first semester and one theory paper in the second semester. At the end of the year the candidate has to submit a dissertation.

#### 3. Scheme of examination of M.Phil Economics course

S. No.	Title of the Paper	Teaching Contact Hrs.	Exam Hours	Max. Marks	Credits
	<b>First Semester</b>				
1.	Paper – I Research Methodology	8	3	100	8
2.	Paper –II Recent Developments in Economic Theory	8	3	100	8
	Project (Evaluation in Final Semester)	12	-		
	<b>Second Semester</b>				
3.	Paper – III Area Paper (Project oriented)	8	3	100	8
4.	Project	20	Viva-voce	200	16
<b>Total</b>				<b>500</b>	<b>40</b>

1. For each theory paper 25 marks for Internal & 75 marks for External
2. There is **no passing minimum for Internal Examination**. Passing minimum for external is 50% and the total passing minimum including external & internal is altogether 50%. For Internal marks, the split up is **15 marks for test, 5 marks for seminar and 5 marks**

- for assignment.** The average of the best two tests out of the 3 test has to be taken for test marks.
3. For project valuation **75 marks** are maximum for internal and **75 marks** are maximum for external and thereby the total maximum for **Project valuation is 150**. For Viva-voce maximum is **50** which will be conducted by both the external & internal examiners. The Grant total of maximum for **Project+Viva voce is (150+50) 200 marks**.
  4. The Question paper pattern for theory exam is as follows:
    - Part A – 5X5 marks= 25 Marks**  
(One question from each unit with either or choice)
    - Part B – 5X10 marks = 50 Marks**  
(One question from each unit with either or choice)
    - Total 75 Marks**
  5. Class: No distinction, since it is a Research Degree  
50% and above, but less than 60% - II class  
60% and above, First Class

## **List of Members**

- 1. Dr. J.Sacratees** Chairperson and Convener  
Assistant Professor & Head-in-Charge  
Department of Economics  
Manonmaniam Sundaranar University  
Tirunelveli-12
- 2. Dr. L. Ganesan** Subject Expert (External)  
Professor & Head  
Department of Economics  
Bharathidasan University  
Tiruchirappalli – 620 023
- 3. Dr. S. Nehru** Subject Expert (External)  
Professor & Head  
Department of Economics  
Gandhigram Rural Institute (Deemed University)  
Gandhigram-624 302  
Dindigul District
- 4. M. Thangammal** Representative of Alumni  
Alumni
- 5. B. Malathy** (II M.A., Economics) Representative of Students  
Students Representative
- 6. Dr. B. Rajasekaran** Dean of Arts (Ex-Officio Member)  
Professor and Head  
Department of Management Studies  
Manonmaniam Sundaranar University  
Tirunelveli-12

## **PAPER-I RESEARCH METHODOLOGY- DTECC1**

### **Unit I**

Economic Research- Significance of Economic Research – Theory and Fact - Scientific Methods- Types of Research-Formulation of Research Problem - Research Design-Formulation of Hypothesis- Nature and Source of Hypothesis in Economics - Sources of Data- Methods of Data Collection-Sampling Design – Presentation of Data.

### **Unit II**

Methodology of Econometric Research: Simple Correlation- Linear Simple and Multiple regression- ANOVA.

### **Unit III**

Multi-collinearity- Autocorrelation-Heteroscedasticity-Time Series Analysis – Analysis of inequality-Gini Co-efficient.

### **Unit IV**

Time-series: Trend, Seasonality, Cyclicity and Stationarity.

### **Unit V**

Testing of Hypothesis – Types of Errors – Parametric and Non-parametric tests: “t” Test – “z” Test – “F” Test – Chi-square Test.

### **Unit VI**

Thesis and Report Writing – Different stages in writing Report – Layout of the Research Report Types – Precautions for writing Research Reports – Ethical issues in Research - Problems of Inference in Non-experimental Sciences.

### **Basic Readings List:**

- C.R. Kothari –Research Methodology, methods and Techniques – Willy Eastern Ltd., 1988.
- A.Koutsoyiannis – Theory of Econometrics- An Introductory Exposition of Econometrics Methods- Macmillan Ltd., 1987.
- M.Cohen and E. Nagal – An introduction to logic and scientific method, New York, 1962.
- William J. Goode & Paul K Hatt – Methods in Social Research, 1972.
- Pauling V. Young – Scientific Social Survey’s and Research, Practice Hall – (Dorsey Press), New York.
- Wonnacott and Wonnacott – Econometrics.

- Seltiz et al: - Research Methods in Social Sciences.
- Mark, Blouk Economic Methodology.
- Caldwell: Beyard Position.

**PAPER: 2 RECENT DEVELOPMENTS IN ECONOMIC THEORY -**  
**DTECC2**

- I. Macro Economic Issues
- II. Poverty and Unemployment
- III. Issues in Human Resource Development
- IV. Inflation
- V. Currency convertibility – Current account and Capital account
- VI. Regional inequality
- VII. WTO Compliance requirements
- VIII. Globalisation and the Challenges
- IX. Gender Issues in the context of Indian Economic Development
- X. Environmental Issues

**Basic Readings List:**

- J. Dreze and A.K Sen (1994), India: Economic Development and Social Opportunity, OUP, Delh.
- P. Patnaik (1995), Macroeconomics, OUP, Delhi.
- Human Development Report, UNDP.
- India Development Report, OUP, Delhi.

**CONTEMPORARY ISSUES IN ECONOMICS -DTECE1**

**UNIT- I: ECONOMIC DEVELOPMENT SINCE INDEPENDENCE**

Major features of the economy at independence; growth and development under different policy regimes—goals, constraints, institutions and policy framework; an assessment of performance— sustainability and regional contrasts; structural change, savings and investment.

## **UNIT- II: HUMAN RESOURCE DEVELOPMENT**

Concept of human development – Different approaches to human development – Role of freedoms in promoting human development – Measures of human development: HDI, Gender-related Development Index, and Human Poverty Index – Correlation between HDI and per capita income – Millennium Development Goals.

## **UNIT-III: ENVIRONMENTAL VALUATION**

Significance of Environment –Valuation- Direct values –Indirect values- Externalities – Social Cost- Assessing Health Damages – Cost of illness – Health foregone Expenditure - Contingent Valuation Method- Willingness to Pay and Willingness to Accept - Travel Cost Method – Hedonic Pricing Method – Cost Benefit Analysis – Human Capital Approach – Production Function Approach –River water pollution – Environmental Impact Assessment- Aquaculture – Biodiversity.

## **UNIT- IV: MANAGEMENT OF HEALTH**

Management Health- Infant Mortality- Maternal Mortality- Still Birth Rate- Crude Birth Rate –Crude Death Rate- Sex-ratio- Life Expectancy – Malnourishment- High Order Birth – Sterilisation - National Family Health Surveys (NFHS) – Sample Registration Survey (SRS)- National Rural Health Mission (NRHM).

## **UNIT –V: NATURAL RESOURCE MANAGEMENT**

Management of Natural Resources- A forestation and Deforestation- Livelihood and biodiversity management - Elements of climate change - Integrated water resource management- Types of Irrigation- Environment & Climate Change: Policy & Law - Climate Change Impacts, Mitigation and adaptation- Economic valuation and accounting of ecosystem services- Energy management- Risk assessment and disaster management- Climate Change and community well being.

### **Basic Readings:**

#### **Unit-I**

- Jean Dreze and Amartya Sen, India: Development and Participation, Oxford University Press, 2nd edition, 2002.
- Pulapre Balakrishnan, 2007, “The Recovery of India: Economic Growth in the Nehru Era”, Economic and Political Weekly, November.
- Rakesh Mohan, 2008, “Growth Record of Indian Economy: 1950-2008. A Story of Sustained Savings and Investment”, Economic and Political Weekly, May.
- S.L. Shetty, 2007, “India’s Savings Performance since the Advent of Planning”, in K.L. Krishna and A. Vaidyanathan, editors, Institutions and Markets in India’s Development.
- Himanshu, 2010, “Towards New Poverty Lines for India”, Economic and Political Weekly, January.

- Jean Dreze and Angus Deaton, 2009, "Food and Nutrition in India: Facts and Interpretations", Economic and Political Weekly, February.
- Himanshu, 2011, "Employment Trends in India: A Re-examination", Economic and Political Weekly, September.
- Geeta G. Kingdon, 2007, "The Progress of School Education in India", Oxford Review of Economic Policy.
- J.B.G. Tilak, 2007, "Post Elementary Education, Poverty and Development in India", International Journal of Educational Development.
- T. Dyson, 2008, "India's Demographic Transition and its Consequences for Development" in Uma Kapila, editor, Indian Economy Since Independence, 19th edition, Academic Foundation.
- Kaushik Basu, 2009, "China and India: Idiosyncratic Paths to High Growth", Economic and Political Weekly, September.
- K. James, 2008, "Glorifying Malthus: Current Debate on Demographic Dividend in India", Economic and Political Weekly, June.
- Reetika Khera, 2011, "India's Public Distribution System: Utilisation and Impact", Journal of Development Studies.
- Aniruddha Krishna and Devendra Bajpai, 2011, "Lineal Spread and Radial Dissipation: Experiencing Growth in Rural India, 1992-2005", Economic and Political Weekly, September.
- Kaushik Basu, 2012, editor, The New Oxford Companion to Economics, Oxford University Press.

## **Unit-II**

- Anita Bandrjee & Rajkumar Sen, (2000), Women and Economic Development, Deep & Deep Publications Pvt. Limited, F-159, Rajauri Garden, New Delhi – 110 027.
- Arun Monappa, (1997), Managing Human Resources, Macmillan India Limited, New Delhi
- Batra V.P. (1998), The Economy and Human Resources, B.R. Publishing Corporation, Ansari Road, Darya Ganj, New Delhi.
- Lakshmanasamy T. and T.M. Srinivasan, (1997), Economics of Human Behaviour, Allied Publishers, New Delhi – Chennai.
- Lallan Prasad & A.M. Bannerjee (1985), Management of Human Resources, Sterling Publishers Private Limited, New Delhi.
- Mitchael V.P. (1995), Human Resources Management and Human Relations, Himalaya Publishing House, New Delhi.
- Raj Kumar, (2000), Women Problems, Anmol Publications Pvt.Ltd., New Delhi.
- Suresh Vyas, (1998), HRD Priorities, Pointer Publishers, Jaipur.
- Swarnalatha E.V. (1997), Empowerment of Women Through Self Help.Groups, A Training Manual, Discovery Publishing House, New Delhi

## **Unit-III**

- Baumol, W.J. and W.E. Oates (1988), The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.

- Berman, P. (Ed.) (1995), Health Sector Reform in Developing Countries : Making Health Development Sustainable, Boston: Harvard Series on Population and International Health.
- Blaug, M. (1972), Introduction to Economics of Education, Penguin, London.
- Bromely, D.W. (Ed.) (1995), Handbook of Environmental Economics, Blackwell, London.
- Cohn, E. and T. Gaske (1989), Economics of Education, Pergamon Press, London.
- Fisher, A.C. (1981), Resource and Environmental Economics, Cambridge University Press, Cambridge.
- Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
- Hussen, A.M. (1999), Principles of Environmental Economics, Routledge, London.
- Jeroen, C.J.M. van den Bergh (1999), Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd., U.K.
- Klarman, H.E. (1965), The Economics of Health, Columbia University Press, New York.
- Kolstad, C.D. (1999), Environmental Economics, Oxford University Press, New Delhi.
- Pearce, D.W. and R. Turner (1991), Economics of Natural Resource Use and Environment, John Hopkins University Press, Baltimore.
- Perman, R. Ma and J. McGilvary (1996), Natural Resource and Environmental Economics, Longman, London.
- Sankar, U. (Ed.) (2001), Environmental Economics, Oxford University Press, New Delhi.
- Schultz, T.W. (1971), Investment in Human Capital, Free Press, New York.
- Tietenberg, T. (1994), Environmental Economics and Policy, Harper Collins, New York.

#### **Unit-IV**

- Berman PA and ME Khan (1993). Paying for India's Health Care, Sage Publications, New Delhi
- Folland S, Goodman AC, and Stano M. (1987): The Economics of Health and Health Care, Prentice Hall, New Jersey
- Mills A, and Lee K (Eds.) (1993). Health Economics Research in Developing Countries, Oxford University Press, New York
- Mills A (1983). Economics of Health in Developing Countries, Oxford University Press, New York.
- Phelps CE (1997). Health Economics, Addison Wesley, New York
- Thomas E. Getzen (1997). Health Economics: Fundamentals and Flow of Funds, John Wiley & Sons, Inc., New York.
- Rama Baru et al., 2010, "Inequities in Access to Health Services in India: Caste, Class and Region", Economic and Political Weekly, September.

#### **Unit-V**



- Francois Ramade 1984. Ecology of Natural Resources. John Wiley & Sons Ltd.
- Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p
- Coastal Ecology & Management, Mann, K.H. 2000.
- Ecology of Coastal Waters with Implications for Management (2nd Edition).
- Global Change and Natural Resource Management, Vitousek, P.M. 1994. Beyond global warming: Ecology and global change. Ecology 75, 1861-1876.
- Agarwal, K.C., 2001. Environmental Biology, Nidhi Publication Ltd. Bikaner.
- Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publishing House.
- Heywood, V.H. & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge Univ. Press.
- Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
- Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science