

**BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI – 620 024.**

**M.Phil. PROGRAMME (ECONOMICS)**  
**(for candidates admitted from the academic year 2009 – 2010**  
**onwards)**  
**Course Structure**

Sem ester	Course	Title of the Paper	Marks			Exam Hours	Credit
			IA	UE	Total		
<b>I</b>	Course I	Research Methodology and Statistical Techniques	40	60	100	3	4
	Course II	Contemporary Issues in Indian Economic Development	40	60	100	3	4
	Course III	Paper on Topic of Research (To be framed by the Guide) *	40	60	100	3	4
	Course IV	Teaching and Learning Skills (Common Paper)	40	60	100	3	4
<b>II</b>	Dissertation	Viva Dissertation 50 Marks 150 Marks			200		8
	<b>Total</b>		<b>210</b>	<b>390</b>	<b>600</b>		<b>24</b>

**Note: \* For Course III the syllabus will be framed by the Guide and the Examination will be conducted by the Controller of Examinations, Bharathidasan University.**

**Marks**

Maximum - 100 marks (passing minimum 50 marks)

External - 60 marks (Passing minimum 30 marks)

Internal - 40 marks (Internal Assessment as per M.Phil Regulations Vide-P.3)

**Question Paper Pattern**

Written (University) Examination

5 Questions to be asked (5 x12 =60 Marks)

Essay type Questions with internal choice (Questions in either / or Model)

Choosing two questions from each unit.

## **PAPER I – RESEARCH METHODOLOGY AND STATISTICAL TECHNIQUES**

### **Module – I            Research Methods**

1. Social Research – Nature, Scope, Uses and major steps – Pure, Applied and Action Research.
2. Scientific Method : Theory and Facts
3. Formulation of a Research Problem
4. Hypothesis : Types, Sources and Characteristics of a good hypothesis.

### **Module – II           Research Design**

1. Need and Types of Research Design – Exploratory, Descriptive, Diagnostic and Experimental Design.
2. Sampling Design : Probability Sampling Simple Random, Systematic, Stratified and Multistage or Cluster Sampling, Non-Probability Sampling – Purposive, Judgement, Quota and convenience sampling.
5. Data Collection – Primary and Secondary methods – Observation, Document, Case Study and Survey – Schedule and Questionnaire- Construction and Requisites of a Good Questionnaire.
6. Mechanics of Thesis writing – Format of a Research Report – Footnotes and Reference.

### **Module – III        Descriptive Statistics**

1. Presentation of data – Editing, coding and tabulating data – Diagrammatic and Graphic representation of data.
2. Processing data – Averages: Mean, Median, Mode and Weighted average – Merits and Demerits.
3. Dispersion : Range, Standard deviation, Co-efficient of variation and Gini Ratio – Skewness, Peason's and Bowley's coefficient of skewness.

### **Module - IV Statistical Methods**

1. Correlation – Simple, Partial and Multiple – Pearson's co-efficient of correlation and Rank correlation.
2. Regression : Simple, Linear and Non-linear regression – Multiple regression – Probit model and logit model.

3. Time – Series Analysis – Components and Uses – Methods of estimating trend and seasonal variations.
4. Scaling techniques – Types – Reliability and validity – doctometry – Statistical Packages in Computer – Interpretation of SPSS Package output relevant for Multivariate analysis and logit model.

## **Module – V            Statistical Inference**

1. Steps in testing of hypothesis – Large sample Z-Test – Uses and Simple problems.
2. T-Test : Assumptions, Properties and Applications and Simple problems.
3. F-Test: Assumptions, Properties and Applications Simple problems,
4. Chi-square [ $\chi^2$ ] Test : Assumptions, Properties and Applications and non parametric tests – U test and H test.

### **Basic Reading List :**

1. Elhance, D.N. [2000]. Fundamentals of Statistics. Allahabad: Kitab Mahal.
2. S.P.Gupta [2001]. Statistical Methods. S.Chand and Co., New Delhi.
3. Kothari, C.R.[1998]. Research Methodology. Wiley Eastern Ltd., New Delhi
4. Wilkinson and Bhandarkar [1991], Methodology and techniques of social Research. Himalaya Publishing House, Bombay.

### **Additional Reading List :**

1. Earl Babbie [1975]. Practice of Social Research. Wadsworth Publishers, New York.
2. Ferber and Verdoon [1962], Research Methods in Economics and Business. Macmillan, New York.
3. Goode and Hatt [1987], Methods in Social Research. McGraw Hill, London.
4. Kurein, C.T. [1973]. Research Methodology in Economics. Madras Sangam Publishers.
5. Moser, C.A. and Kolton, C. (1980). Survey Educational Methods in Social Investigation. Heinemann Educational Books, London.
6. Sonachalam, K.S. (1978). Research Methodology in Social Science, Kadayam, Tamilnadu.
7. Shanmugasundaram, V. (1974). Papers on the Methodology of Research in Social Sciences, University of Madras, Chennai.
8. Sitaram Pillai (1989). Basic Statistics. Progressive Publishers, Chennai.

## **PAPER II – CONTEMPORARY ISSUES IN INDIAN ECONOMIC DEVELOPMENT**

### **Module I India and the World Economy**

India and GATT, WTO and India's Foreign Trade – Globalisation and its impact on India – Recent trends in Macro Economic Policy with reference to NRI, Foreign Capital and Fiscal Reforms.

### **Module II Gender Issues in Indian Development**

Gender Equity – Gender Discrimination – Women and Employment – Women and Law – Women Empowerment – SHGs – Women's Health Issues.

### **Module III Social Climate in India**

Class structure, Caste and Religion – Family – Rural and Urban inequality – Rural and Urban inequality – Rural Poverty and Poverty Alleviation Programmes.

### **Module IV Recent Economic Crisis**

Sub prime Crisis – Sub prime lending/mortgaging– Housing finance – toxic assets – crash in share market, investment and employment – Bail out package – impact on Indian Economy and on budgetary process

### **Module V Human Development in India**

Index of Human Development – Education and HRD – Training – Types – Motivation – Methods – Health Issues – “Health for All” – Rural Health Promotion in India – Challenges.

### **References :**

- 1) J.Dreze and A.K.Sen (2003), India : Development and Participation OUP, Delhi.
- 2) J.Dreee and A.K.Sen (Edited), (1996) Indian Development : Selected Regional Perspectives OUP, Delhi.
- 3) P.Patnaik (1996), Whatever happened to Imperialism? Tulika, Delhi

- 4) Bina Agarwal (1994), A Field of One's Own, Cambridge University Press, UK.
- 5) P.Patnaik, (1995), Macroeconomics OUP, Delhi.
- 6) G.S.Batra and Narinder Kaur, Globalisation Strategies and Economic Liberalisation.
- 7) rigidajaruia, Women, Poverty and Demographic Change.
- 8) Margrit Pernau, Imtiaz Ahmad and Herlmur Reifeld, Family and Gender, Changing Values in Germany and India.
- 9) SAARC (Nov, 1992) Report of the Independent South Asian Commission on Poverty Alleviation.
- 10) V.B. Athreya and S.R. Chundath (1996), Literacy and Empowerment, SAGE Publications, New Delhi.
- 11) Madhav Gadgil and Ramachandran Guha (1994), A Fissure Land : An ecological History of India, Penguin, Delhi.

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## **COURSE IV - TEACHING AND LEARNING SKILLS**

### **Objectives:**

After completing the course, scholars will be able to:

- acquaint different parts of computer system and their functions
- understand the operations and use of computers and common accessories
- develop skills of ICT and apply them in teaching learning context and Research
- appreciate the role of ICT in teaching, learning and Research
- acquire the knowledge of communication skill with special reference to its elements, types, development and styles
- understand the terms communication Technology and Computer mediated teaching and develop multimedia/E-content in their respective subject
- understand the communication process through the web
- acquire the knowledge of instructional

### **Unit I: Computer Applications Skills**

Computer System: Characteristics, Parts and their functions - Different generations of computer – Operation of Computer: switching on/off/restart. Mouse control, Use of key board and some functions of key – Information and Communication Technology (ICT): Definition, Meaning, Features, Trends – Integration of ICT in teaching and learning – ICT applications: Using word processors, Spread sheets, Power point slides in the classroom – ICT for Research: On-line journals, e-books, Courseware, Tutorials, Technical reports, Theses and Dissertations.

### **Unit II Communication Skills**

Communication Definitions – Elements of Communication: Sender, Message, Channel, Receiver, Feedback and Noise – Types of Communication: Spoken and Written: Non-verbal Communication – Intrapersonal, Interpersonal, Group and Mass communication – Barriers to communication: Mechanical, Physical, Linguistic & Cultural – Skills of Communication: Listening, Speaking, Reading and writing – Methods of developing fluency in oral and written communication – Style, Diction and Vocabulary – Classroom communication and dynamics.

### Unit III: Communication Technology

Communication Technology: Bases, Trends and Developments – Skills of using Communication Technology – Computer Mediated Teaching Multimedia, E – content – Satellite – based communication: EDUSAT and ETV Channels. Communication through web: Audio and Video applications on the internet, interpersonal communication through the web.

### Unit IV: Pedagogy

Instructional Technology: Definition, Objectives and Types – Difference between Teaching and Instruction – Lecture Technique: Steps, Planning of a Lecture, Delivery of a Lecture – Narration in tune with the nature of different disciplines – Lecture with power point presentation – Versatility of Lecture technique – Demonstration: Characteristics, Principles, Planning Implementation and Evaluation – Teaching – learning Techniques: Team Teaching, Group discussion, Seminar, Workshop, Symposium and Panel Discussion – Modes of teaching: CAI, CMI and WBI

### Unit V: Teaching Skills

Teaching Skill: Definition, Meaning and Nature: Types of Teaching skills: Skill of Set induction, Skill of Stimulus Variation, Skill of Explaining, Skill of Probing Questions, Skill of Black Board Writing and Skill of Closure – Integration of Teaching Skills – Evaluation of Teaching Skills.

**References:**

Bela Rani Sharma (2007), Curriculum Reforms and Teaching Methods, Sarup and sons, New Delhi

Don Skinner (2005), Teaching Training, Edinburgh University Press Ltd, Edinburgh

Information and Communication Technology in Education: A Curriculum for schools and programme of Teacher development, Jonathan Anderson and Tom Van Weert, UNESCO, 2002

Kumar, KL (2008) Educational Technology, New Age International Publishers, New Delhi

Mangal, S.K. (2002) Essential of Teaching – Learning and Information Technology, Tandon Publications, Ludhiana

Michael, D and William (2000), Integrating Technology into Teaching and Learning: Concepts and Applications, Prentice Hall, New York

Pandey, S.K (2005) Teaching Communication, Commonwealth Publishers, New Delhi

Ram Babu, A and Dandapani, S (2006), Microteaching (vol. 1 &2), Neelkammal Publications, Hyderabad

Singh V.K. and Sudarshan, K.N. (1996) Computer Education, Discovery Publishing Company, New York

Sharma, R.A. (2006) Fundamentals of Educational Technology, Surya Publications, Meerut

Vanaja, M. and Rajasekar, S (2006), Computer Education, Neelkamal Publications, Hyderabad



