



### List of New Course(s) Introduced

**Department : Economics**

**Programme Name : M.A. IIIrd and IVth Semester**

**Academic Year : 2022-23**

### List of New Course(s) Introduced

| Sr. No. | Course Code | Name of the Course        |
|---------|-------------|---------------------------|
| 01.     | ENPCTT8     | Indian Economic Policy-II |
| 02.     | ENPCTT9     | Research Methodolgy       |
| 03.     | ENPCTD1A    | International Economics-I |
| 04.     | ENPCTD1B    | Quantitative Methods      |
| 05.     | ENPCTD2A    | Econometrics -I           |
| 06.     | ENPCTD2B    | Gandhian Economics-I      |
| 07.     | ENPDTD3A    | Data Analysis             |
| 08.     | ENPDTD3B    | Demography                |
| 09.     | ENPDTD4A    | International Economics-I |
| 10.     | ENPDTD4B    | Public Finance            |
| 11.     | ENPDTD5A    | Econometrics -II          |
| 12.     | ENPDTD5B    | Gandhian Economics-II     |



### Minutes of Meetings (MoM) of Board of Studies (BoS)

|                                |                                       |
|--------------------------------|---------------------------------------|
| Academic Year : <b>2022-23</b> |                                       |
| School                         | : School of Studies of Social Science |
| Department                     | : Economics                           |
| Date and Time                  | : 21.09.2022                          |
| Venue                          | : Hod Chamber                         |

A Meeting of the Board of Studies in Economics was held at Department of Economics on 21.09.2022 at 3.00 PM in the chamber of Head. The meeting was held on online/offline mode.

The following members were present in the meeting:

1. Prof. Manisha Dubey Chairperson, (BOS)
2. Prof. Kiran Singh External Expert Member (Attended meeting online)
3. Shri Harish Kedia External Industry Expert
4. Dr. Ravindra Kr. Sharma Member (BOS)
5. Dr. Namita Sharma Special Invitee Member
6. Dr. T. R. Ratre Special Invitee Member
7. Dr. Rajbhau Patel Special Invitee Member

The agenda of the meeting was as follows:

1. To discuss and approve the syllabus of 3<sup>rd</sup> and 4<sup>th</sup> Semester of B.A. (Hon's) Economics (LOCF Syllabus).
2. To discuss and approve the syllabus of 3<sup>rd</sup> and 4<sup>th</sup> Semester of M.A. Economics (CBCS Syllabus).

The syllabus was sent to External Expert Member Dr. Kiran Singh, Professor & Head of Economics, University of Allahabad through mail.

The syllabus of B.A. (Hon's) Economics was discussed at length and was approved.

The meeting ended with vote of thanks.

*Manisha*

Head  
Dept. of Economics  
GURU GHASIDAS UNIVERSITY  
BILASPUR (C.G.)

Signature & Seal of HoD



## Scheme and Syllabus

Proposed Syllabus for  
M.A. Economics based on CBCS System  
(Two years/Four semesters)



(To be implemented from the academic session 2022-23)

Department of Economics  
School of Social Sciences  
Guru Ghasidas Vishwavidyalaya  
Bilaspur (C.G.) 495009

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**M.A. Economics based on CBCS System**  
(Two years/Four semesters)

| Semester | Course Opted     | Course Code | Name of the Course                              | Credit    | Hour / week |
|----------|------------------|-------------|---|-----------|-------------|
| I        | Core-1           | ENPATT1     | Micro Economic Analysis - I                     | 4         | 4           |
|          | Core-1 Tutorial  |             | Tutorial-1 based on Core-1                      | 1         | 1           |
|          | Core-2           | ENPATT2     | Macro Economic Analysis-I                       | 4         | 4           |
|          | Core-2 Tutorial  |             | Tutorial-2 based on Core-2                      | 1         | 1           |
|          | Core-3           | ENPATT3     | Economics of Growth and Development-I           | 4         | 4           |
|          | Core-3 Tutorial  |             | Tutorial-3 based on Core-3                      | 1         | 1           |
|          | Open Elective    | ENPAT01     | Labour Economics                                | 4         | 4           |
|          | Open E. Tutorial |             | Tutorial-Open Elective based on Open Elective   | 1         | 1           |
|          |                  |             | <b>Total</b>                                    | <b>20</b> | <b>20</b>   |
| II       | Core-4           | ENPBTT4     | Micro Economic Analysis - II                    | 4         | 4           |
|          | Core-4 Tutorial  |             | Tutorial-4 based on Core-4                      | 1         | 1           |
|          | Core-5           | ENPBTT5     | Macro Economic Analysis-II                      | 4         | 4           |
|          | Core-5 Tutorial  |             | Tutorial-5 based on Core-5                      | 1         | 1           |
|          | Core-6           | ENPBTT6     | Economics of Growth and Development-II          | 4         | 4           |
|          | Core-6 Tutorial  |             | Tutorial-6 based on Core-6                      | 1         | 1           |
|          | Core-7           | ENPBTT7     | Indian Economic Policy-I                        | 4         | 4           |
|          | Core-7 Tutorial  |             | Tutorial-7 based on Core-7                      | 4         | 4           |
|          |                  |             | <b>TOTAL</b>                                    | <b>20</b> | <b>20</b>   |
| III      | Core-8           | ENPCTT8     | Indian Economic Policy-II                       | 4         | 4           |
|          | Core-8 Tutorial  |             | Tutorial-8 based on Core-8                      | 1         | 1           |
|          | R.M.             | ENPCTT9     | Research Methodology                            | 3         | 3           |
|          | R.M. Tutorial    |             | Tutorial-R.M. based on R.M.                     | 1         | 1           |
|          | DSE-1            | ENPCTD1A    | International Economics-I/ Quantitative Methods | 4         | 4           |
|          | DSE-1 Tutorial   |             | Tutorial-DSE-1 based on DSE-1                   | 1         | 1           |
|          | DSE-2            | ENPCTD2A    | Econometrics-I/Gandhian Economics-I             | 4         | 4           |
|          | DSE-2 Tutorial   |             | Tutorial-DSE-2 based on DSE-2                   | 1         | 1           |
|          |                  |             | <b>TOTAL</b>                                    | <b>19</b> | <b>19</b>   |
| IV       | DSE-3            | ENPDTD3A    | Data Analysis / Demography                      | 4         | 4           |
|          | DSE-3 Tutorial   | ENPDTD3B    | Tutorial-DSE-3 based on DSE-3                   | 1         | 1           |
|          | DSE-4            | ENPDTD4B    | International Economics-II/ Public Finance      | 4         | 4           |
|          | DSE-4 Tutorial   | ENPDTD4B    | Tutorial-DSE-4 based on DSE-4                   | 1         | 1           |
|          | DSE-5            | ENPDTD5A    | Econometrics-II/Gandhian Economics-II           | 4         | 4           |
|          | DSE-5 Tutorial   | ENPDTD5B    | Tutorial-DSE-5 based on DSE-5                   | 1         | 1           |
|          | Dissertation     | ENPDTE      | Dissertation                                    | 4         | 4           |
|          |                  |             | Presentation                                    | 2         | 2           |
|          |                  |             | <b>Total</b>                                    | <b>21</b> |             |
|          |                  |             | <b>Total Credits (Semester I+II+III+IV)</b>     | <b>80</b> |             |

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DEPARTMENT OF ECONOMICS  
GURU GHASIDAS VISHWAVIDYALAYA (CG)

M.A. Economics (CBCS Course)

SEMESTER-III

| Paper  | Semester-III                                    | Credits     |
|--------|---|-------------|
| Core-8 | Indian Economic Policy-II                       | 4L + 1T = 5 |
| R.M.   | Research Methodology                            | 3L + 1T = 4 |
| DSE-1  | International Economics-I/ Quantitative Methods | 4L + 1T = 5 |
| DSE-2  | Econometrics-I/Gandhian Economics-I             | 4L + 1T = 5 |

Core-8

Indian Economic Policy-II

Unit 1

Major features of Indian economy at the eve of Independence; New Industrial Policy 1991- Goals, Objectives, Main features; MSME - Composition, Importance, Major Problems; Privatisation and disinvestment debate; Approaches for Employment Generation.

Unit 2

Public Finances Fiscal federalism – Centre-state financial relations; Finances of central government; Finances state governments; Parallel economy; Fiscal sector reforms in India.

Unit 3

Financial sector reforms; Interest rate policy; Review of monetary policy of RBI; Working of SEBI in India.

Unit 4

External Sector Structure and direction of foreign trade; Issues in export-import policy and FEMA; Exchange rate policy; Foreign capital and MNCs in India

Unit 5

Recent initiatives for development– NRLM, Make in India, Aatmnirbhar Bharat, Start up India scheme, PM Kaushal vikash Yojna.

References

- Ahluwalia, I.J. and I.M.D. Little (Eds.): India's Economic Reforms and Development (Essays in honour of Manmohan Singh).
- Kapila, Uma: Indian Economy: Performance and Policies
- Datt and Sundaram: Indian Economy (latest edition)





- Mishra and Puri: Indian Economy (latest edition)
- Singh, Ramesh : Indian Economy (latest edition)
- Chakravarty, S.: Development Planning: The Indian Experience,
- Chelliah, Raja J. and R. Sudarshan: Income, Poverty and Beyond: Human Development in India.
- Dantwala, M.L.: Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
- Datt, R. (Ed.): Second Generation Economic Reforms in India.
- Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
- Gupta, S.P.: Post-Reform India: Emerging Trends, Allied Publishers, New Delhi.
- Jain, A.K.: Economic Planning in India.

R.M

### Research Methodology

#### Course Objective:

The course begins with the understanding & foundations of Research, and covers the issues concerning the Research Process, Formulation of the Research Problem, Literature Survey, Working Hypothesis and concepts & importance of Research Design and Values in Research.

#### Course Learning Outcomes

The course imparts skills to undertake data based research. The student enrolling in this course would develop competency in executing sample surveys and would have reasonable exposure to conduct a Research Study.

#### Unit 1

Foundations of Research: Meaning of Research, objectives of research, Types of Research, Research Approaches, Significance of Research, and Research Methods versus Methodology.  
(12 Classes)

#### Unit 2

Research Process, Formulating the Research Problem, Literature Survey, Development of working Hypothesis, Preparing the Research Design, Determining Sample Design, Execution of the Project, Analysis of Data, Generalization and Interpretation, Preparation of the Report.  
(12 Classes)

#### Unit 3

Research Design: Meaning of Research Design, Need for Research Design, Different Research Designs- Exploratory Research Design, Descriptive Research Design, Concept of population, sample, sampling frame, Parameter. Statistic.

(12 Classes)

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#### Unit 4

Hypothesis: Definition, null hypothesis and alternative hypothesis, hypothesis Testing- Type I and Type II error, Sampling distribution, standard error-utility of standard error, sampling error. (12 Classes)

#### Unit 5

Values in Research – Publication Ethics, lessons from the lives and teachings of great leaders (Mahatma Gandhi- Father of Nation), role of family, society and educational institutions in inculcating values.

#### Suggested Readings

1. Goon, A. M, Gupta, M. K, and Dasgupta, B. Fundamentals of Statistics (Volumes One and Two), The World Press Private Ltd
2. C.R. Kothari : Research Methodology : Methods and Techniques (second revised edition), New Age India (P) Ltd Publishers.
3. Alpha C. Chiang and Kavin Wain Wright : Fundamental Methods of Mathematical Economics, McGraw Hill, 2005. [ For stability analysis]
4. GOI, Note on Sample Design and Estimation Procedure of NSS 68th Round, National Sample Survey Office, Ministry of Statistics and Programme Implementation.
5. GOI, SRS Statistical Report 2016, Office of the Registrar General & Census Commissioner, India

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DSE-I

**International Economics-I**

**Course Outcomes**

This course is an analytical course in international trade and international finance. Students are introduced to the theories with which to understand international trade patterns, examine trade policies, analyze the issues of international economic interdependence between countries.

**Unit1**

Distinguishing features of Interregional and International trade; Ricardo's theory of comparative differences in costs and its application in underdeveloped countries

(15 Classes)

**Unit2**

Mills' theory of Reciprocal Demand; Explanation of Reciprocal Demand with the help of Offer Curves

(10 Classes)

**Unit3**

Haberler's Theory of Opportunity Costs; International trade under constant, Increasing and decreasing opportunity costs;

(15 Classes)

**Unit4**

The Modern Theory of Factor Endowments; its explanation under price criterion and physical criterion; Theory's relevance today; Its superiority over the classical theory; Leontief Paradox

(10 Classes)

**Unit 5**

Tariffs meaning and types; Effects of tariff under partial Equilibrium; Optimum tariff and welfare; Dumping: Types, Objectives and effects of dumping; Anti-dumping measures.

(10 Classes)

**READING LIST :**

1. Bhagwati, J. (Ed.): International Trade, Selected Readings.
2. Brahmananda, P.R.: The IMF Loan and India's Economic Future.
3. Carbough, R.J.: International Economics.
4. Chacholiades, M.: International Trade: Theory and Policy.

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5. Corden, W.M.: Recent Developments in the Theory of International Trade.
6. Crockett, A.: 'International Money: Issues and Analysis.
7. Dana, M.S.: International Economics: Study, Guide and Work Book.
8. Dunn, R.M. and J.H. Mutti: International Economics.
9. Grable, J.O.: International Financial Markets.
10. Greenway, D.: International Trade Policy.
11. Heller, H. Robert: International Monetary Economics.
12. Jackson, J.: The World Trading System.
13. Kenen, P.B.: The International Economy.
14. Kindleberger, C.P.: International Economics.
15. King, P.G.: International Economics and International Economic Policy: A Reader.
16. Krugman, P.R. and M. Obstfeld: International Economics: Theory and Policy.
17. Linder, S.B.: An Essay on Trade and Transformation.
18. Manmohan Singh: India's Export Trends and the Prospects for Self-sustained Growth.

DSE-I

**Quantitative Methods**

**Course Outcomes:**

Provides students with quantitative skills that are required to make business decisions. These skills involve using forecasting and mathematical techniques. Formulation and application of mathematical models in business decision making scenarios. Outline quantitative models to decision making and problem analysis, and their interpretations in transportation problems and game theory.

**Unit 1**

Rules of differentiation; Interpretation of revenue, cost, demand, supply functions; Elasticities;  
(10 Classes)

**Unit 2**

Rules of partial differentiation and its application in Economics: Problems of maxima and minima, Simple problems in market equilibrium; Concept of integration; Simple rules of integration; Application to consumer's surplus and producer's surplus;  
(15 Classes)

**Unit 3**

Concept of matrix — their types, simple operations on matrices, matrix inversion and rank of a matrix; Determinants and their basic properties: Solution of simultaneous equations through Cramer's rule;  
(10 Classes)

**Unit 4**

(10 Classes)

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Linear programming: Basic concept; Formulation of a linear programming problem — Its structure and variables; Nature of feasible and optimal solution; Solution of linear programming through graphical method; Concept of duality

(15 Classes)

**Unit 5**

Game Theory: Strategies — simple and mixed (2X2); Saddle point solution; Value of a game;

(10 Classes)

**BASIC READING LIST**

- Allen, R.G.D. (1974), Mathematical Analysis for Economists, Macmillan Press and ELBS, London.
- Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Gupta, S.C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
- Handry, A.T. (1999), Operations Research, Prentice Hall of India, New Delhi.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book Co., London.
- Taha, H.A. (1997), Operations Research : An Introduction (6th Edition), Prentice Hall of India Pvt. Ltd., New Delhi.
- Yamane, Taro (1975), Mathematics for Economists, Prentice Hall of India, New Delhi.
- Baumol, W.J. (1984), Economic Theory and Operations Analysis, Prentice Hall, Englewood Cliffs, New Jersey.
- Monga, G.S. (1972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
- Vygodsky, G.S. (1971), Mathematical Handbook (Higher Mathematics), Mir Publishers, Moscow.
- Mathur, P.N. and R. Bharadwaj (Eds.) (1967), Economic Analysis in Input-Output Research, Input-Output Research Association of India, Pune.
- Hadley, G. (1962), Linear Programming, Addison Wesley Publishing Co., Massachusetts.
- Kothari, C.R. (1992), An Introduction to Operations Research, Vikas Publishing House, New Delhi.
- Mustafi, C.K. (1992), Operations Research : Methods and Practice, Wiley Eastern, New Delhi.
- Chou, Y. (1975), Statistical Analysis, Holt, Reinhart and Winston, New York.
- Croxtan, Crowden and Klein (1971), Applied General Statistics, Prentice Hall of India, New Delhi.
- Millar, J. (1996), Statistics for Advanced Level, Cambridge University Press, Cambridge.

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DSE-2

**ECONOMETRICS-I**

*Objective: Econometrics is a tool to judge the role of economic variables in the economic development.*

1. Origin and development of Indian Knowledge System with reference to this paper. Quantitative & Qualitative Analysis, Meaning and Methodology of Econometrics, Basics of Two-Variable Regression Analysis. OLS Estimation and Hypothesis Testing.
2. Multiple Regression Model, Estimation and Inference. Assumption of Classical Linear Regression Model (CLRM)
3. Nature, Consequences, Detection and Remedial Measures of Multi Collinearity, Heteroscedasticity and Autocorrelation (Durbin-Watson Test).
4. Regression on Dummy Variable, Dynamic Econometrics Models: Autoregressive and Distributed Lag Models-Koyek Approach.
5. Time Series Analysis : Introduction, economic Time Series : Stationary and Non-Stationary.

**BASIC READING LIST**

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dongherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.
5. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill R. C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics, Wiley, New York.
7. Kennedy, P. (1998), A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
9. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
10. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols. ), Aldershot U.K.

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DSE-2

**Gandhian Economics –I**

**Learning Objectives:** To make the students understand the life and work of Gandhi in depth.

**Learning Outcome:** Upon the completion of the Course, students would have:

1. Understood the life and work of Gandhi in depth.
2. Studied the various initiatives undertaken and carried out by Gandhi.
3. Knew and understood the experiments undertaken by Mahatma Gandhi.
4. Examined Gandhi's Contribution to the Global Nonviolent Awakening and in the context of various initiatives along Gandhian lines in the world.

**Unit - I:**

Life, Work and Experiments of Mahatma Gandhi ; Birth, Early Life, Childhood experiments in Truth and Nonviolence – Trials and Errors –London Experiments ,Religions Exposures ,South African Experiments: Pietermaritzburg Incident – Phoenix Settlement & Tolstoy Farm – Birth of Satyagraha.

**Unit - II:**

Gandhi Takes over Freedom Movement in India, Ashrams in India: Characteristics, objectives & features, Beginning of Satyagraha in India, Non-cooperation movement – Civil Disobedience movement – Quit India Movement.

**Unit III:**

Gandhi and Indian economics-Rural development, Khadi and Village Industries, Agriculture, Economic equality, Bread labour-concept of Decentralisation, the concept of Co-Operation.

**Unit - IV:**

Hind Swaraj: Indian System Vs Western System; Role of Doctors Vs Vaidya, Role of Advocates Vs Panch Sarpanch,

**Unit - V:**

Gandhian Constructive Work for a New India: 18 Constructive Programmes of Gandhi.

**References**

**Books:**

1. M.K.Gandhi(1908): Hind Swaraj or Indian Home Rule, Navajivan Publishing House, Ahmadabad.
2. Gandhi, M.K., (1940). An Autobiography or The Story of My Experiments With Truth (2 ed.). Navajivan Publishing House, Ahmadabad.
3. M.K., Gandhi (1928): Satyagraha in South Africa. Navajivan Publishing House, Ahmadabad.

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4. M.K.Gandhi (1945): Constructive Programmes – Its meaning and place, Navajivan Publishing House, Ahmadabad.
  5. Fischer, Louis (2002) : The Essential Gandhi: An Anthology of His Writings on His Life, Work, and Ideas. Vintage, New York.
  6. Nanda B.R. (1958), Mahatma Gandhi: A Biography, Oxford University Press, New Delhi
  7. Brown, Judith M. (2004) : "Gandhi, Mohandas Karamchand [Mahatma Gandhi] (1869– 1948)", Oxford Dictionary of National Biography, Oxford University Press, New Delhi
  8. Ruhe, Peter (5 October 2004) ; Gandhi. Phaidon Press, London.
  9. Ashwin Desai; Goolem Vahed (2015). The South African Gandhi: Stretcher-Bearer of Empire. Stanford University Press,
  10. Homer A Jack (1956): A Source book of his life and writings: Thé, Gandhi Reader, Grove Press, New York.
- Web Resources
1. [www.mkgandhi.org](http://www.mkgandhi.org)
  2. [www.wikipedia.com/Mahatma\\_Gandhi](http://www.wikipedia.com/Mahatma_Gandhi)

Journals:

1. <https://www.gandhiheritageportal.org/journals-by-others/gandhi-marg-in-english>.

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**SEMESTER-IV**

| Paper        | Semester-IV                                | Credits     |
|--------------|--|-------------|
| DSE-3        | Data Analysis / Demography                 | 4L + 1T = 5 |
| DSE-4        | International Economics-II/ Public Finance | 4L + 1T = 5 |
| DSE-5        | Econometrics-II/Gandhian Economics-II      | 4L + 1T = 5 |
| Dissertation | Dissertation/Presentation                  | 4D + 2P = 6 |

**DSE-3**

**Data Analysis**

**Unit 1**

Importance of Statistics in Economics, Collection of data, Primary and Secondary Sources of Data, Methods of collection of Primary Data- questionnaire, schedule, Observation and interview method.

**Unit 2**

Probability & Non Probability Sampling-Random Sampling, Purposive or Deliberate Sampling, Stratified or Mixed Sampling, Systematic Sampling, Quota Sampling, Convenience Sampling etc.

**Unit 3**

Classification and Tabulation of Data

**Unit 4**

Diagrammatic Representation of Data: Bar Diagrammes-Simple Bar Diagramme, Multiple Bar Diagramme, Differential Bar Diagramme, Pie or Circular Diagram.

**Unit 5**

Tests of Hypothesis: Student's t-tests, F-test.

**References:**

- 1) S.K Gupta & V.K Kapoor, "Fundamentals of Mathematical Statistics.
- 2) N.G Das, "Statistical Methods" (Vol I & Vol 2).
- 3) P.K Giri & Jiban Banerjee, "Introduction to Statistics"
- 4) M.R, "Probability & Statistics", Spiegel
- 5) William Feller, "An Introduction to Probability Theory & its Application".
- 6) Agresti, Franklin, "Statistics: The Art & Science of Learning from Data, Instructors Edition".
- 7) TR jain & VK ohri "Statistics for Economics
- 8) Agresti, Alan, "Categorical data Analysis" Willey publication

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9) C.R Kothari, Research Methodology.

10) D.R & Inferences, "Diagrammatic Representation", Springer

### DSE-3

### Demography

#### Course Objectives

This course introduces students to the demography of institutions and development. We explore the interrelation and interaction between population and socio-economic outcomes. Lectures will mainly focus on theoretical framework. Empirical papers will be covered through class discussions and student presentations. As a supplement we may also read original texts on Liberalism and Marxism.

#### Course Learning Outcomes

Students will develop an understanding of the interrelationships between human resources, institutions and demographic composition of developed and developing countries.

#### Unit 1

Meaning and scope of demography; Theories of population – Malthus, Optimum theory of population; theory of demographic transition

(10 Classes)

#### Unit 2

Population trends in the twentieth century; Population explosion; Pattern of age and sex structure in more developed and less developed countries; Determinants of age and sex structure.

(15 Classes)

#### Unit 3

Importance of study of fertility – Total fertility rate; Gross reproduction rate and net-reproduction rate; Levels and trends of fertility in more and less developed countries; Factors affecting fertility – Socio-economic factors.

(10 Classes)

#### Unit 4

Trends in age at marriage; Mortality – Death rates, crude and age-specific; Mortality at birth and infant mortality rate; levels and trends in more and less developed countries; Methods of population projection.

(10 Classes)

#### Unit 5

Concept and types – Temporary, internal and international; International migration – Its effect on population growth and pattern; Factors affecting migration Urbanization – Growth and distribution of rural-urban population in developed and developing countries.

(15 Classes)

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#### BASIC READING LIST

1. Agarwala, S. N. (1972), India's Population Problem, Tata McGraw Hill Co., Bombay.
2. Bose, A. (1996), India's Basic Demographic Statistics, B. R. Publishing Corporation, New Delhi.
3. Bogue, D. J. (1971), Principles of Demography, John Wiley, New York.
4. Chenery, H. and T. N. Srinivasan (Eds.) (1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam.
5. Choubey, P. K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
6. Coale, A. J. and E. M. Hoover (1958), Population Growth and Economic Development in Low Income Countries : A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Gulati, S. C. (1988), Fertility in India : An Econometric Study of a Metropolis, Sage, New Delhi.
8. Simon, J. L. (1992), Population and Development in Poor Countries, Princeton University Press.
9. Srinivasan, K. (1998), Basic Demographic Techniques and Applications, Sage, New Delhi.
10. Srinivasan, K. and A. Shariff (1998), India : Towards Population and Demographic Goals, Oxford University Press, New Delhi.
11. Sryrock, H. et. al. (1973), the Methods and Materials of Demography, US Department of Commerce, Washington, D. C.
12. United Nations (1973), The Determinants and Consequences of Population Trends, Vol. 1, UNO Publications, New York

DSE-4

#### International Economics-II

##### Course Outcomes

This course develops a systematic explanation the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics developed in courses, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years.

##### Unit 1

Meaning and Components of Balance of Payments, Equilibrium and disequilibrium of Balance of Payments. Factors causing disequilibrium in balance of payments and measures to correct.

(10 Classes)

##### Unit 2

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Adjustment mechanisms of Balance of Payments under flexible exchange rates (price effect), under elasticity approach Marshall Lerner condition, Foreign Trade Multiplier and determination of Income

(15 Classes)

**Unit 3**

Concept of Foreign exchange rate, concepts of spot and forward exchange rates, Determination of Equilibrium exchange rate; Theories of exchange rate determination the purchasing power parity theory.

(10 Classes)

**Unit 4**

Factor causing changes in exchange rates. Relative merits and demerits of fixed and flexible exchange rates, Convertibility of currency

(10 Classes)

**Unit 5**

World Trade Organization – Objectives, Functions, India and WTO. International Monetary Fund, Objectives, Functions, India and IMF. World Bank Objectives, Functions, India and World Bank.

(15 Classes)

**READING LIST :**

1. Bhagwati, J. (Ed.): International Trade, Selected Readings.
2. Brahmananda, P.R.: The IMF Loan and India's Economic Future.
3. Carbough, R.J.: International Economics.
4. Chacholiades, M.: International Trade: Theory and Policy.
5. Corden, W.M.: Recent Developments in the Theory of International Trade.
6. Crockett, A.: International Money: Issues and Analysis.
7. Dana, M.S.: International Economics: Study, Guide and Work Book.
8. Dunn, R.M. and J.H. Mutti: International Economics.
9. Grable, J.O.: International Financial Markets.
10. Greenway, D.: International Trade Policy.
11. Heller, H. Robert: International Monetary Economics.
12. Jackson, J.: The World Trading System.
13. Kenen, P.B.: The International Economy.
14. Kindleberger, C.P.: International Economics.
15. King, P.G.: International Economics and International Economic Policy: A Reader.
16. Krugman, P.R. and M. Obstfeld: International Economics: Theory and Policy.

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17. Linder, S.B.: An Essay on Trade and Transformation.
18. Manmohan Singh: India's Export Trends and the Prospects for Self-sustained Growth.
19. Mishkin, S.F.: The Economics of Money, Banking and Financial Markets.
20. Mundell, R.: International Economics.
21. Niehans, J.: International Monetary Economics.
22. Panchmukhi, V.R., K.M. Raipuria and R. Tandon: Money and Finance in World Economic Order.
23. Pomfret, R.: International Trade: An Introduction to Theory and Policy.
24. Salvatore, D.: International Economics.
25. Soderston, Bo: International Economics.
26. Soloman, R.: The International Monetary System 1945-1981.
27. Tew, B.: The Evaluation of the International Monetary System: 1945-85.
28. Verma, M.L.: International Trade.
29. Whalley, John: Trade Liberalization Among Major Trading Areas.

DSE-4

**Public Finance**

**Unit1**

Role of Govt. in Organized Society – Govt. as an agent for Economic Planning & Development, Concept of Public Goods, Private Goods and Merit Goods. Theory of Maximum, Social Advantage Theory - Dalton, Pigous, Musgrave.

(10 Classes)

**Unit 2.**

Public Expenditure - Wagner's Law of Increasing State Activities, Wiseman Peacock hypothesis. Effects of Public Expenditure, Dalton's Norm of Public Expenditure, Fiscal policy and its objectives.

(15 Classes)

**Unit 3**

Economics of Taxation - Canons of Taxation, Taxable Capacity, Factors Determining Taxable Capacity, Its Significance. Theories of Taxation Benefit Theory, Incidence of Taxes, Effects of Taxation- Efficiency Effect, Incentive Effect.

(15 Classes)

**Unit 4**

Debt- Public Debt & Economic Growth, Public Debt and Inflation, Debt Burden, Crowding Out of Private Investment and Activity; Debt Redemption. Principles of Public Debt Management and Repayment, Defect financing.

(10 Classes)

**Unit 5**

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Fiscal Policy- Objective of Fiscal policy, Tools of Fiscal policy, Compensatory Fiscal policy,  
Role of Fiscal policy in developing countries.

(10 Classes)

**READING LIST :**

1. Atkinson, A.B. and J.E. Siglitz: Lectures on Public Economics.
2. American Economic Association: Readings in Fiscal Policy.
3. Auerbach, A.J. and M. Feldstern (Eds.): Handbook of Public Economics.
4. Bird, R. and O. Oldman: Readings on Taxation in Developing Countries.
5. Chelliah, Raja J.: Fiscal Policy in Underdeveloped Countries.
6. Cutt, J.: Taxation and Economic Development in India.
7. Barman, K.: Public Debt Management in India.
8. Bhargava, R.N.: The Theory and Working of Union Finance in India.
9. Bhargava, P.K.: Taxation of Agriculture in India.
10. Bhargava, P.K.: CentreState Resource Transfers in India.
11. Bhargava, P.K.: India's Fiscal Crisis.
12. Chelliah, Raja J. et. al: Trends and Issues in India's Federal Finance.
13. Chelliah, R.J. (Ed.): Towards Sustainable Growth.
14. Datt, R. (Ed.): Second Generation Economic Reforms in India.
15. Gaur, A.K.: Federal Finance in India.
16. Government of India: Reports of the Tax Reforms Committee - Interim and Final (Chairman: Raja J. Chelliah).
17. Gulati, I.S.: CentreState Financial Relations, An Assessment of the Role of Finance Commission.
18. Houghton, J.M.: The Public Finance: Selected Readings, Penguin, Harmondsworth.
19. Jain, A.K.: Taxation of Income in India.
20. Jain, A.K.: Direct Taxation in India: Some Aspects.
21. Jain, I.: Resource Mobilization and Fiscal Policy in India.
22. Jha, R.: Modern Public Economics.
23. Menutt, P.: The Economics of Public Choice.
24. Mishan, E.J.: Cost-Benefit Analysis: An Informal Introduction.
25. Musgrave, R.A.: Theory of Public Finance.

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DSE-5

**ECONOMETRICS - II**

**Objective:** To develop the mathematical, statistical and analytical approach in the economics with the help of econometrics.

1. Regression Analysis and F-Test (Analysis of variance) One way, two way.
2. Matrix Approach to Linear Regression Model. Assumptions, OLS Estimation and their properties. Interpretation of Results.
3. Autoregressive Model: The Adaptive Expectation Model, Partial Adjustment Model, The Almon Approach to Distributed Lag Model.
4. Chow Test: Test of equality between coefficient's, Application of LRM for estimation of Growth rate, demand function, production function.
5. Simultaneous Equation Model (SEM) : The method of Indirect Least Square and Two Stage Least Square Methods (Assumptions & Properties)

**BASIC READING LIST**

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dongherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.
5. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill R. C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics, Wiley, New York.
7. Kennedy. P. (1998), A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
9. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
10. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols. ), Aldershot U.K.

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DSE-5

**GANDHIAN ECONOMICS - II**

**Learning Objective:** To make the students understand the life and vision of Gandhi in depth.

**Learning Outcome:** Upon the completion of the Course, students would have:

1. Understood the Gandhiji's Thoughts on Education in depth.
2. Understood the Gandhiji's Economic thoughts in depth.
3. Studied the various initiatives undertaken and carried out by Gandhi.

**Unit I:**

Gandhiji's Thoughts on Education: The Purpose and Meaning of Education, Functions of a Teacher, Basic Education and Knowledge (Nayi Talim)

**Unit II:**

Economic Thought of Gandhiji, Critique of Modern Civilization and consumerism, Swadeshi and Khadi, Self-sufficient Village System

**Unit - III :**

The Sarvodaya Ideal: Trusteeship Doctrine – Law of Bread Labour – Decentralization.

**Unit IV:**

Gandhian Understanding of Peace among Communities: Hindu Muslim Unity, Non-Conflict Relations.

**Unit - V:** Contribution of Gandhi in Holistic Development, Empowerment of Women, Living in Harmony with Nature, Enhancing the quality of Village life – Participation of Faculties and Students in Health and Sanitation.

**REFERENCES:**

1. Brown, Judith Margaret (1991). Gandhi: Prisoner of Hope. Yale University Press.
2. Raghavan Narasimhan Iyer (1987): The Moral and Political Writings of Mahatma Gandhi: Oxford University Press, New Delhi.
3. Anup Swarup (Ed 2016) : Give Nonviolence a Chance : The Journey of Neelakanta Radhakrishnan, Konark publishers, New Delhi
4. Kumarappa, J.C. (1967), Economy of Permanence; Sarva Seva Sangh Prakashan, Rajghat, Varanasi.
5. Kumarappa, J.C. (1947), Village Industries; Maganwadi, Wardha;
6. Kumarappa, J.C., (1948.) Economy of Permanence Part II; Maganwadi, Wardha;

  19



7. Nirmal Kumar Bose (1999): My days with Gandhi, Orient Long Man, New Delhi.
8. N.Radhakrishnan, Tagore, Gandhi, Makiguchi and Daisaku Ikeda (2014) : Pioneers of Education For Peace, Gandhi Media Centre, New Delhi.
9. Gene Sharp (1960) Gandhi Wields the Weapon of Moral Power, Navajivan Publishing House, Ahmadabad
10. Richard B Gregg (2013): The Power of Nonviolence, Pierides Press, India
11. Shridarani.K (1939): War without Violence, The Fellowship of Reconciliation, New York.
12. K.S., Narayanaswamy (2000). Acharya Vinoba Bhave – A biography (Immortal Lights series). Bangalore: Sapna Book House.
13. T. D. Tandon (1954): Vinoba Bhave: The Man and His Mission, Published by Vora.
14. Hallam Tennyson (1995): India's Walking Saint: The Story of Vinoba Bhave, Published by Doubleday.
15. Michael J. Nojeim (2004): Gandhi and King: The Power of Nonviolent Resistance, Praeger Publications, London.
16. Khan Abdul Ghaffar Khan (1969). My life and struggle: Autobiography of Badshah Khan (as narrated to K.B. Narang). Translated by Helen Bouman. Hind Pocket Books, New Delhi.
17. Eknath Easwaran (1999). Nonviolent Soldier of Islam: Ghaffar Khan, a man to match his mountains. Nilgiri Press, Tomales, CA.
18. Green, Martin Burgess (1986): The origins of nonviolence: Tolstoy and Gandhi in their historical settings. Pennsylvania State University Press.
19. Iswar C. Harris (1998): Gandhians in Contemporary India: The Vision and the Visionaries, Edwin Mellen Press.
20. Ramachandra Guha (2008): India after Gandhi: The History of the World's Largest Democracy Picador, Indian Edition.
21. Girija Kumar (2006): Brahmacharya Gandhi and his women associates, Vitasta Pub., New Delhi.
22. Ramjee Singh (1999) : Peace Making and Conflict Prevention Strategies ( Article Source : Ahimsa, Peace Making, Conflict prevention and Management -proceedings and presentations, Fourth International Conference on Peace and Nonviolent Action



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23. N.Radhakrishnan and Daisaku Ikeda (2015)., Walking with the Mahatma : Gandhi for Modern Times, Eternal Gangès, New Delhi.
24. William Baskaran M (1998), Shanti Sena, Gandhi Media Centre, Madurai and New Delhi.

Web Resources:

1. [www.mkgandhi.org](http://www.mkgandhi.org)
2. [www.wikipedia.com/Mahatma\\_Gandhi](http://www.wikipedia.com/Mahatma_Gandhi)

Journals:

1. <https://www.gandhiheritageportal.org/journals-by-others/gandhi-marg-in-english>

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