CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT

MODIFIED SYLLABI

(AS PER THE RECOMMENDATIONS OF BOARD OF STUDIES IN ECONOMICS, CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT HELD ON JUNE 2, 2021)

National Education Policy-2020
Common Minimum Syllabus for all U.P. State Universities/ Colleges

SUBJECT: ECONOMICS

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Monika S. Garg, (I.A.S.), Chairperson Steering Committee</td>
<td>Additional Chief Secretary</td>
<td>Dept. of Higher Education U.P., Lucknow</td>
</tr>
<tr>
<td>Prof. Poonam Tandan</td>
<td>Professor, Dept. of Physics</td>
<td>Lucknow University, U.P.</td>
</tr>
<tr>
<td>Prof. Hare Krishna</td>
<td>Professor, Dept. of Statistics</td>
<td>CCS University Meerut, U.P.</td>
</tr>
<tr>
<td>Dr. Dinesh C. Sharma</td>
<td>Associate Professor</td>
<td>K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.</td>
</tr>
</tbody>
</table>

Steering Committee - Arts and Humanities Stream

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Divya Nath</td>
<td>Principal</td>
<td>K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.</td>
</tr>
<tr>
<td>Prof. Ajay Pratap Singh</td>
<td>Dean, Faculty of Arts</td>
<td>Ram Manohar Lohiya University, Ayodhya</td>
</tr>
<tr>
<td>Dr. Nitu Singh</td>
<td>Associate Professor</td>
<td>HNB Govt P.G College Prayagaraj</td>
</tr>
<tr>
<td>Dr. Kishor Kumar</td>
<td>Associate Professor</td>
<td>K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.</td>
</tr>
<tr>
<td>Dr. Shweta Pandey</td>
<td>Assistant Professor</td>
<td>Bundelkhand University, Jhansi</td>
</tr>
</tbody>
</table>

Supervisory Committee - Arts and Humanities Stream

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Department</th>
<th>College/University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Vinod Kumar Srivastava</td>
<td>Professor, Convener of the Team</td>
<td>Department of Economics and Rural Development</td>
<td>Dr. Ram Manohar Lohia Avadh University, Ayodhya (U P)</td>
</tr>
<tr>
<td>Dr. Dinesh Kumar</td>
<td>Professor, Member</td>
<td>Department of Economics</td>
<td>CCS University Meerut (U P)</td>
</tr>
<tr>
<td>Dr. Rashi Krishna Sinha</td>
<td>Associate Professor, Secretary</td>
<td>Department of Economics</td>
<td>Dr. Shakuntala Misra National Rehabilitation University, Lucknow (U P)</td>
</tr>
</tbody>
</table>

Syllabus is developed by:

<table>
<thead>
<tr>
<th>S. N.</th>
<th>Name</th>
<th>Designation</th>
<th>Department</th>
<th>College/University</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Vinod Kumar Srivastava</td>
<td>Professor, Convener of the Team</td>
<td>Department of Economics and Rural Development</td>
<td>Dr. Ram Manohar Lohia Avadh University, Ayodhya (U P)</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Dinesh Kumar</td>
<td>Professor, Member</td>
<td>Department of Economics</td>
<td>CCS University Meerut (U P)</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Rashi Krishna Sinha</td>
<td>Associate Professor, Secretary</td>
<td>Department of Economics</td>
<td>Dr. Shakuntala Misra National Rehabilitation University, Lucknow (U P)</td>
</tr>
</tbody>
</table>
B.A. in Economics

The Course is designed for the students pursuing graduation with Economics in regular mode. The programme aims to inculcate economic thinking among the students in economic decision making by comprehending economic theory. It aims to develop analytical view point in the students about the economic behaviour of people. The objective is to nurture among student a view point of a socially responsible and ethical aware citizen. The under graduate programme will have 10 courses in 6 Semesters in 3 years. In the Fifth and the Sixth Semester 01 paper is given as optional. In the Fifth Semester it is proposed to have Dissertation/Project keeping in the spirit of the New Education Policy 2020 to introduce research at the graduation level. The structure of syllabus is based on the template of UGC proposed for the CBCS for undergraduates in Economic (Regular).

Programme Specific Outcomes(PSOs)- Student after completing graduation will be able to learn-

| PSO 1: | The behavioural patterns of different economic agents, advance theoretical issues and their applications. |
| PSO 2: | Understand the basic concept of microeconomics. |
| PSO 3: | Understanding basic concepts of Macroeconomics. |
| PSO 4: | Acquaint with some basic statistical methods to be applied in economics. |
| PSO 5: | Acquaint with some basic mathematical methods to be applied in economics. |
| PSO 6: | Acquaint with some basic theoretical concept of public finance. |
| PSO 7: | Acquaint with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspectives. |
| PSO 8: | Delineate the fiscal policies designed for developed and developing economics. |
| PSO 9: | Facilitate the historical developments in the economic thoughts propounded by different schools. To familiarise students with the contribution of Indian Economic Thinkers and the relevance of their contribution. |
| PSO 10: | Learn the basic concept of monetary analysis and financial marketing in Indian financial markets. |
| PSO 11: | Learn the development issues of Indian economy. |
| PSO 12: | Acquaint with some basic concept of environmental economics along with the solution of the environmental problems. |
| PSO 13: | Learn the real and monetary sides of International economics. |
| PSO 14: | Familiarise and acquaint with the characteristics of the economy of Uttar Pradesh. |
| PSO 15: | To familiarize the students about issues of ethics in economic thinking and practice. |
List of all Papers in all Six semesters.

Semester-wise Titles of the Papers in BA(Economics)

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem.</th>
<th>Course Code</th>
<th>Paper Title</th>
<th>Theory/Practical</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I</td>
<td>A080101T</td>
<td>Principle of Micro Economics</td>
<td>Theory</td>
<td>6</td>
</tr>
<tr>
<td>1</td>
<td>II</td>
<td>A080201T</td>
<td>Principles of Macro Economics</td>
<td>Theory</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>III</td>
<td>A080301T</td>
<td>History of Economic Thought</td>
<td>Theory</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>IV</td>
<td>A080401T</td>
<td>Money, Banking and Public Finance</td>
<td>Theory</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>V</td>
<td>A080501T</td>
<td>Economic Growth and Development</td>
<td>Theory</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>V</td>
<td>A080502T/A080503T</td>
<td>Optional Paper(Any 1)</td>
<td>Theory</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Environmental Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Or International Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>V</td>
<td>A080504R</td>
<td>Elementary Statistics based Project</td>
<td>Practical</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>VI</td>
<td>A080601T</td>
<td>Indian Economy &amp; Economy of Uttar Pradesh</td>
<td>Theory</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>VI</td>
<td>A080602T/A080603T</td>
<td>Optional Paper(Any 1)</td>
<td>Theory</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Agriculture Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Or Elementary Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>VI</td>
<td>A080604R</td>
<td>Dissertation/Project</td>
<td>Project</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>On the Local Issues with Economic Focus plus Presentation on Ppt of the Dissertation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BA 1st Year, Sem. I,
Course I
(Theory)

Programme/Class: Degree/ BA
Year: First
Semester: First
Subject: Economics

Course Code: A080101T
Course Title: Principle of Micro Economics

Course Outcome:

- The students are familiarized with basic concepts of microeconomics such as laws of demand and supply and elasticity etc so that he/she can comprehend them & familiarize with day today happenings.
- The students learn and understand the concepts of consumer behaviour like cardinal utility and ordinal utility analysis.
- The students learn and understand application of Indifference curve analysis in deriving demand curves, price effect, income effect and substitution effect.
- The students learn and understand the Theory of production- iso-quant, laws of returns to scale, law of variable proportion.
- The students learn, understand and compare between the Traditional and modern theory of cost.
- Demonstrate an understanding, usage and application of basic economic principles.
- Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility.
- To analyze the behavioral patterns of different economic agents regarding profit, price, cost etc.
- The decision-making process in different market situations such as perfect competition, monopolistic competition, monopoly and oligopoly markets.
- To deal with the advance theoretical issues and their practical applications of distribution theories.
- General equilibrium, economic efficiency and market failure.

<table>
<thead>
<tr>
<th>Credits: 6</th>
<th>Core Compulsory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Marks: 25+75</td>
<td>Min. Passing Marks: 40</td>
</tr>
<tr>
<td>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Introduction: Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems. Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities.</td>
<td>12</td>
</tr>
<tr>
<td>II</td>
<td>Consumer Theory: Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint. Theory of Revealed Preference</td>
<td>12</td>
</tr>
<tr>
<td>III</td>
<td>Production and Costs: a. Production: behaviour of profit maximizing firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition. b. Costs: costs in the short run, costs in the long run, revenue and profit maximizations, minimizing losses, short run industry supply curve, economies and diseconomies of scale, long run adjustments.</td>
<td>11</td>
</tr>
<tr>
<td>IV</td>
<td>Market Structures a. Perfect Competition: assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries. Welfare: allocative efficiency under perfect competition. b. Imperfect Competition Monopolistic competition: assumptions, SR&amp; LR price and output determinations under monopolistic competition, economic efficiency and resource allocation; oligopoly: assumptions, oligopoly models, game theory, contestable markets, role of government.</td>
<td>11</td>
</tr>
<tr>
<td>V</td>
<td>Theory of a Monopoly Firm Concept of imperfect competition; short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly, social cost of monopoly, price discrimination; remedies for monopoly: Antitrust laws, natural monopoly.</td>
<td>11</td>
</tr>
<tr>
<td>VI</td>
<td>Consumer and Producer Theory a. Consumer and Producer Theory in Action Externalities, marginal cost pricing, internalising externalities, public goods; imperfect information: adverse selection, moral hazard, social choice, government inefficiency. b. Markets and Market Failure Market adjustment to changes in demand, efficiency of perfect competition; sources of market failure: imperfect markets, public goods, externalities, imperfect information; evaluating the market mechanism.</td>
<td>11</td>
</tr>
<tr>
<td>VII</td>
<td>Income Distribution and Factor pricing Input markets: demand for inputs; labour markets, land markets, profit maximisation condition in input markets, input demand curves, distribution of income.</td>
<td>11</td>
</tr>
</tbody>
</table>

Suggested Readings:

Suggested Continuous Evaluation Methods:
Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students.

Suggested equivalent online :
Swayam 
Coursera
II National Income Accounting: Concepts of GDP GNP, NDP and NNP at market price and factor cost; Personal Income and Disposable Personal Income. Measurement of National Income- Income, expenditure, product or Value added Methods and related aggregates; nominal and real income; limitations of the GDP concept.


IV Classical Theory of Employment. Say’s Law of Markets. Keynes’ Objection to the Classical Theory; Aggregate Demand and Aggregate Supply Functions; The Principle of Effective Demand; Consumption Function - Average and Marginal Propensity to Consume; Factors influencing Consumption Spending

V The Investment Multiplier and its Effectiveness in LDCs; Theory of Investment - Autonomous and Induced Investment; Marginal Efficiency of Capital; Savings and Investment - Ex Post and Ex Ante, Equality and Equilibrium. Principle of Accelerator.

VI Rate of Interest: Classical, Neo-Classical and Keynesian Theories of Interest. Indeterminateness in Liquidity Preference Theory

VII IS-LM Analysis: Derivations of the IS and LM functions; IS-LM and aggregate demand; shifts in the AD curve.

VIII Inflation and Unemployment Concept of inflation; determinants of inflation; relationship between inflation and unemployment: Phillips Curve in short run and long run.

Suggested Readings:

Suggested Continuous Evaluation Methods:
Assignment / Test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students.

Suggested equivalent online:
Swayam Coursera
BA 2nd Year, Sem. III
Course I
(Theory)

Programme/Class: Degree/BA
Year: Second
Semester: Third
Subject: Economics
Course Code: A080301T
Course Title: History of Economic Thought

Course outcomes:
- To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time.
- Introducing students to the critical comparison of the contributions of the main schools of economics.
- To introduce & highlight before the students about Indian Economic Thinkers and their valuable contribution in the field of Economics.
- The classical, the marginalize revolution and its application to the theories of general and partial equilibrium, the current macroeconomic debate between the neo-classical and the Keynesian school.

Credits: 6
Core Compulsory
Max. Marks: 25+75
Min. Passing Marks: 40

Total No. of Lectures-Tutorials-Practical (in hours per week): L-4/w

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>B R Ambedkar, Kautilya, Dada Bhai Naoroji, RC Dutt, R M Lohia, Gandhian Economics, Chaudhary Charan Singh (added)</td>
<td>12</td>
</tr>
<tr>
<td>II</td>
<td>JK Mehta, A K Sen, J. Bhagwati, Pt. DeenDayal Upadhyay</td>
<td>12</td>
</tr>
<tr>
<td>III</td>
<td>Early Period: Economic thought of Plato and Aristotle - Doctrines of Just Cost and Just price.</td>
<td>11</td>
</tr>
<tr>
<td>IV</td>
<td>Mercantilism: Main Characteristics; Thomas Munn - Physiocracy: Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique, Taxation, Turgot - Economic ideas of Petty, Locke and Hume.</td>
<td>11</td>
</tr>
<tr>
<td>V</td>
<td>Classical Period: Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, David Ricardo, Distribution, Ideas on International Trade; Thomas R. Malthus, Theory of Gluts.</td>
<td>11</td>
</tr>
<tr>
<td>VI</td>
<td>German Romantics and Socialists — Sismondi, Karl Marx — Dynamics of Social Change, Labour Theory of Value, Surplus Value, Profit, And Theory of Capitalist Crisis; Economic Ideas of J.B. Say, J.S. Mill.</td>
<td>11</td>
</tr>
<tr>
<td>VII</td>
<td>Marshall as a Great Synthesizer: Role of Time in Price Determination, Economic Methods, Ideas on Consumer’s Surplus, Elasticity, Representative Firm, Quasi-Rent, Pigou: Welfare Economics; Schumpeter.</td>
<td>11</td>
</tr>
<tr>
<td>VIII</td>
<td>Marginalists: The Precursors of Marginalism ,Cournot , Gossen — The Marginalist Revolution: Jevons, Walras and Menger - Bohm-Bawerk, Wicksell and Fisher; Economic Ideas of Wicksteed and Weiser.</td>
<td>11</td>
</tr>
</tbody>
</table>

Suggested Readings:

Suggested Continuous Evaluation Methods:
Assignment / Test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students.
Suggested equivalent online:
Swayam

BA 2\textsuperscript{nd} Year, Sem. IV
Course I
(Theory)

<table>
<thead>
<tr>
<th>Program/Class:</th>
<th>Year: Second</th>
<th>Semester: Fourth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree /BA</td>
<td></td>
<td>Subject: Economics</td>
</tr>
</tbody>
</table>

Course Code:A080401T | Course Title: Money, Banking and Public Finance

Course outcomes:
- Understand simple concepts related with monetary economics and banking theory.
- Correlate and apply to current events & key models and concepts of monetary economics and banking theory.
- Appreciate the potential importance of monetary phenomenon in the economy.
- Understand the sources of finance both public and private
- Demonstrate the role of government to correct market failures and possible advantage of public financing.
- Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.

Credits: 6 | Core Compulsory
Max. Marks: 25+75 | Min. Passing Marks: 40

Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>Commercial Banking: Meaning and types; Functions of Commercial Banks; The process of Credit Creation - Purpose and Limitations; Liabilities and Assets of banks; Evolution of Commercial Banking in India after Independence; A Critical Appraisal of the Progress Of Commercial Banking after Nationalization; Recent Reforms in Banking Sector in India.</td>
<td>11</td>
</tr>
</tbody>
</table>
IV  Functions of a Central Bank; Quantitative and Qualitative Methods of Credit Control - Bank Rate Policy, Open Market Operations, Variable Reserve Ratio and Selective Methods; Role and Functions of the Reserve Bank of India; Objectives and Limitations of Monetary Policy with Special Reference to India.  11

V  Nature and Scope of Public Finance: Meaning and scope of Public Finance; Distinction between Private and Public Finance; Public Goods Vs. Private Goods; The Principle of Maximum Social Advantage; Market Failure; Role of the Government.  11

VI  Public Expenditure: Meaning, Classification and Principle of Public Expenditure; Canons and Effects of Public Expenditure; Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.  11

VII  Taxation: Sources of Public Revenue; Taxation — Meaning, Canons and Classification of Taxes; Division of Tax Burden — The Benefit and Ability-To-Pay Approaches; Impact and Incidence of Taxes; Taxable Capacity; Effects of Taxation; Characteristics of A Good Tax System.  11


Suggested Readings:

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz (MCQ) / Seminar/Presentations/ Research orientation of students

Suggested equivalent online :
Swayam
Coursera
### Course I

**BA 3rd Year, Sem. V**

**Course Title:** Economic Growth and Development

**Course Code:** A080501T

**Subject:** Economics

**Programme/Class:** Degree/BA

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Meaning and Measurement of Economic Growth and Development</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic Growth and Development</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Concept of Poverty and Inequality, Vicious cycle of poverty, Lorenz Curve, Gini Coefficient</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Concept of Human Development, Human Development Index, Physical Quality of Life Index, Quality of Life Indices, Hunger Index,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Happiness Index, Development and Sustainability. Concept of Sustainable Development. Millennium Development goals</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Lewis model of labour surplus economy, Rosentein Rodan’s theory of Big Push, Nelson’s Level equilibrium trap, balanced vs Un-balanced growth, Rostow’s stages of growth, Harrod and Domar Growth models</td>
<td>10</td>
</tr>
<tr>
<td>V</td>
<td>Development &amp; Underdevelopment: an Overview; The Characteristics and Explanations Of Underdevelopment- Vicious Circle of Poverty, Circular Causation, Dualism-Social, Technological, Financial, Organizational, Model of Dual Economy, Lewis, Ranis-Fei, Jorgenson, Dependency Theories of Underdevelopment</td>
<td>10</td>
</tr>
<tr>
<td>VI</td>
<td>Models of Technical Progress, Embodied and Disembodied Technical Progress, Neutral Technical Progress- Hicks, Harrod, Solow, Kaldor, Mirrlees Technical Progress Function, Arrow’s Learning by Doing Approach to Economic Growth</td>
<td>10</td>
</tr>
<tr>
<td>VII</td>
<td>Accumulation Endogenous growth, Intellectual capital, Role of Learning, Education and Research, Explanations of Cross country Differentials in Economic Growth, Information Paradigm-Stiglitz</td>
<td>8</td>
</tr>
<tr>
<td>VIII</td>
<td>International Trade, Aid and Finance in the Development of Developing Countries-with special reference to India. FDI &amp; FII, Role of Technology Transfer and Multinational Corporations in promoting development in development of developing countries-with Special Reference to India</td>
<td>7</td>
</tr>
</tbody>
</table>
Suggested Readings:

- Dasgupta, Dipankar: Growth Theory, Oxford University Press, 2007
- Hayami, Y., Development Economics, Oxford University Press, New York, 2010 (5th Impression)
- Somashekar, NT: Developmental Economics, New Age Publication (Latest edition)

BA 3rd Year, Sem. V
Course II (Optional)
(Theory)

<table>
<thead>
<tr>
<th>Programme/Class:</th>
<th>Degree/BA</th>
<th>Year: Third</th>
<th>Semester: Fifth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject: Economics</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course Code: A080502T  Course Title: Environmental Economics

Course outcomes:

- Students should be familiar with the basic concepts of ecology environment and economy.
- Students to understand the solution to environmental problems- the command and control approach, market based methods, tax tradable pollution permit, etc, carbon trading
- Students should be familiar with the concept of Sustainable development, environmental impact assessment CO 5: Global and local environmental concerns.
- Students should be comprehend the Local Issues of Economic Bearing related to environment & development.
- Students should realize the importance and influence of environment on the economy including the quality of manpower.
- Students should realize the importance to make cleaner environment so as to achieve harmonious
Students should comprehend that environmental problem is not the problem of a single country or region but a global problem/issue.

Demonstrate an awareness of economic growth problems, issues in globalisation, and provide grounding in major growth strategies and development.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Introduction: Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.</td>
<td>10</td>
</tr>
<tr>
<td>II</td>
<td>The Design and Implementation of Environmental Policy: Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; trans-boundary environmental problems; economics of climate change, Kuznets Curve. (added)</td>
<td>10</td>
</tr>
<tr>
<td>III</td>
<td>Environmental Valuation Methods and Applications: Valuation of non-market goods and services—theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.</td>
<td>10</td>
</tr>
<tr>
<td>IV</td>
<td>Sustainable Development: Concepts; measurement; perspectives from Indian experience.</td>
<td>7</td>
</tr>
<tr>
<td>V</td>
<td>The Theory of Externality- Positive &amp; Negative Externality; Public Goods; Private Goods; Public Bads; Market Failure and Pigouvian Solution- Pigouvian Tax.; Coase’s Theorem And Property Rights; Eco-Labelling; Eco-Efficiency.</td>
<td>8</td>
</tr>
<tr>
<td>VI</td>
<td>Social Limits to Growth Model; Green Accounting; Environmental Valuation- Meaning, Need for Environmental Valuation, Methods of Environmental Valuation; Difficulty in Measuring Environmental Values, Environmental Damages and Its Valuation.</td>
<td>10</td>
</tr>
<tr>
<td>VII</td>
<td>Indian Constitution and the Environment; Environmental Management- Meaning and Concept, Objectives and Goals, Obstacles; Environmental Impact Assessment; Environmental Education and Awareness-Dilemma of Environmental Ethics and Practical Problems, Environmental Education in India.</td>
<td>10</td>
</tr>
<tr>
<td>VIII</td>
<td>Population and Environment; Trade and Environment in the WTO Regime; Climate Change- Meaning and Concept, Ozone Depletion, Acid Rain, Global Warming and Greenhouse Effect; Indian Environmental Issues and Legislations; Role of Judiciary in Environmental Protection and Conservation; International Environmental Issues; and Legislations, Carbon Trading.</td>
<td>10</td>
</tr>
</tbody>
</table>

Suggested Readings:

- Bharucha, Erach: Paryavaran Adhyann, Orient Blackswan.
B.A 3<sup>rd</sup> Year,
Sem. V Course II (Optional)
(Theory)

Program/Class: Degree / BA
Year: Third
Semester: Fifth
Subject: Economics
Course Code: A080503T
Course Title: International Economics

Course outcomes:
- Students should be able to understand and explain the concept, need, significance and scope of international economics.
- Students should be familiar with the approaches of international trade.
- Students should be familiar with and are able to explain the economic integration at the global level and the formation of groups.
- Students are familiar with the international organizations and their objectives. Students should be able to analyse the importance and relevance of these international organizations.

Credits: 5
Core Compulsory
Max. Marks: 25 + 75
Min. Passing Marks: 40

Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part I</td>
<td>Need, Significance and Scope of International Economics. Early Trade Theory-Mercantilism; The Classical Theories of Trade - Adam Smith, David Ricardo; Opportunity Cost Approach; Terms of Trade-Meaning and Concepts, Factors affecting Terms of Trade; Mill’s Reciprocal Demand Analysis.</td>
<td>8</td>
</tr>
<tr>
<td>II</td>
<td>Free Trade and Protection-Meaning of Free Trade, Arguments For and Against Free Trade, Meaning of Protection, Arguments for Protection-Economic and Non-Economic Arguments; Protection and Less Developed Countries. Globalization</td>
<td>7</td>
</tr>
<tr>
<td>III</td>
<td>Theories and Forms of Economics Integration-Meaning &amp; Benefits; Forms of Economic Integration- Custom Union: Production and Consumption Effects of Customs Union; Problems Involved in the Formation of Customs Union; Political Economy of Protection; SAFTA, BRICS, IBSA.</td>
<td>10</td>
</tr>
<tr>
<td>VI</td>
<td>International Financial Institutions-IMF,WORLD BANK,ADB; GATT, WTO- TRIPS &amp;TRIMS, WTO and India;, UNCTAD, North-South Trade Dialogue, South-South Cooperation.</td>
<td></td>
</tr>
<tr>
<td>VII</td>
<td>Quantitative Restrictions: Quota-Meaning, objectives, Types and Effects of Import Quotas; Tariffs-Meaning Types and Effects of Tariffs; Non-Tariff Barriers-Meaning, Classification and Types.</td>
<td></td>
</tr>
</tbody>
</table>

Suggested Readings:

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz( MCQ) / Seminar/Presenatations/ Research orientation of students

Suggested equivalent online :
Swayam
Course Outcome:

- Students to be familiar with the concepts in Statistics.
- The concepts comprehended by the students shall be put to use in practice.
- The students become familiar with the practical aspects of preparing a questionnaire/interview schedule and putting them in usage.
- The information/data collected by the students should be analyzed with the help of Statistical Tools taught so as to derive inferences.
- The students shall experience the practical aspect of the theory of statistics being taught in the class room environment.
- The students are able to use statistical tools vis-à-vis given real life situation.
- Practical work to be based on the topics covered in the contents given below.

Unit | Topics |
--- | --- |
I | Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule (meaning, concept & types), Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.
II | Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief).
Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation, Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief)
IV | Time Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. Index Number: Concept, Classification of Index Numbers-price relative, quantity relative, value relative & special purpose (in brief). Consumer Price Index(CPI), Whole Sale Price Index (WPI), Methods of Construction of Index Numbers- i Unweighted & ii Weighted indices (in brief). Test of Adequacy of Index Number Formulae (in brief).
Suggested Readings:


Note:

❖ Aforestated Four units given are to be taught in the classroom keeping in view that the project is based on the use/application of the Statistical tools taught & as per the focus/objective of the problem.
❖ Students are expected to develop an understanding of how to prepare a questionnaire/interview schedule for the usage.
❖ The field work will be arranged by the department for which an institutional mechanism will be developed by the respective institution.
❖ The students will prepare a thorough report after the completion of the field work and submit it for the evaluation thereafter.
❖ The template/format for the submission of the report will be developed by the respective department.

<table>
<thead>
<tr>
<th>Program/Class: Degree /BA</th>
<th>Year: Third</th>
<th>Semester: Sixth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject: Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code: A080601T</td>
<td>Course Title: Indian Economy &amp; Economy of Uttar Pradesh</td>
<td></td>
</tr>
</tbody>
</table>

Course Outcome:

- Students should be able familiar with the basic characteristics of Indian economy,
- Students should be able familiar with the it’s potential on natural resources of Indian economy and the economy of Uttar Pradesh.
● Students are able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
● Students are able to develop an understanding about Uttar Pradesh, its demographic feature, natural resources and factors that can stimulate its economic growth and development.
● Students should be familiar with the rural development of Uttar Pradesh over the period of time.
● Students should be familiar with the industrial development in India and in Uttar Pradesh.

<table>
<thead>
<tr>
<th>Credits: 5</th>
<th>Core Compulsory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Marks: 25+75</td>
<td>Min. Passing Marks: 40</td>
</tr>
<tr>
<td>Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Structure and Features of Indian Economy: Indian economy as a Developing Economy. Comparative Development of Indian States</td>
<td>8</td>
</tr>
<tr>
<td>II</td>
<td>Agricultural Sector: Institutional Reforms, Technological change in Agriculture, Terms of Trade between Agriculture and Industry; Agricultural Policy, Policies for Sustainable Agriculture. Agrarian Crisis and Agricultural Labour.</td>
<td>10</td>
</tr>
<tr>
<td>III</td>
<td>The Industrial Sector: Industrial Policy; Public Sector Enterprises and their Performance, Privatization and Disinvestment debate, Small, Medium and Large-scale Sector, Industrial Labour, trade Union Movement.</td>
<td>10</td>
</tr>
<tr>
<td>IV</td>
<td>Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; NITI AYOG, SOCIAL SECTOR (added), Strategy of Inclusive Growth, Resource mobilization for Development. INDIA’S FOREIGN TRADE: COMPOSITION AND BASIC FEATURES (added)</td>
<td>10</td>
</tr>
<tr>
<td>V</td>
<td>Nature, Features, Demographic Profile, Status of Natural Resources, Major Factors affecting growth and development in Uttar Pradesh. Economic and non-economic factors in economic development of Uttar Pradesh.</td>
<td>10</td>
</tr>
<tr>
<td>VI</td>
<td>Sectoral growth pattern in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.</td>
<td>7</td>
</tr>
<tr>
<td>VII</td>
<td>Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, Crop diversification, agricultural credit, Agricultural policy and strategies in Uttar Pradesh, Rural Development in Uttar Pradesh.</td>
<td>10</td>
</tr>
</tbody>
</table>

Suggested Readings:
4. Annual Financial Statement (Budget) various years & Latest published by the Government of India.
5. Economic Surveys, Government of India (Hindi/English)
6. Indian Economy by Mishra & Puri. Himalaya Publishing House (Hindi /English)
7. Indian Economy by Uma Kapila, Academic Foundation
8. Indian Economy. Rudra Dutt & Sunderam. S. Chand & Company (Hindi /English)

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :
Swayam

---

### BA 3rd Year

#### Sem. VI

**Course II (Optional)**

 *(Theory)*

<table>
<thead>
<tr>
<th>Program/Class:</th>
<th>Year: Third</th>
<th>Semester: Sixth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree /BA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subject: Economics

<table>
<thead>
<tr>
<th>Course Code: A080602T</th>
<th>Course Title: Agriculture Economics</th>
</tr>
</thead>
</table>

**Course Outcome**

- Students should be able to comprehend and explain the approaches to economic development with respect to dualistic development.
- Students should be able to understand and explain the basics of agriculture economics.
- Students should be familiar with labour issues in agriculture sector.
- Students should be able to explain the significance of agriculture in the economic growth and economic development of an economy and in case of Indian Economy.
- Students should be familiar with the institutional initiates to strengthen the rural and agricultural development to achieve self sufficiency.
- Students should be able to comprehend the role of credit in the development of agriculture in a country like India and the significance of institutional mechanism in this regard.

<table>
<thead>
<tr>
<th>Credits: 5</th>
<th>Core Compulsory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Marks: 25+75</td>
<td>Min. Passing Marks:40</td>
</tr>
</tbody>
</table>

Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Models of Agricultural Development: Physiocrats approach, W. A. Lewis model, Fei &amp; Ranis Model, Schultz Theory of Agricultural Development, Jorgenson’s Dual Economy Model</td>
<td>10</td>
</tr>
</tbody>
</table>
II Agricultural Production Function, Supply Response, Farm Size, Returns to Scale and Productivity. Cobweb Theorems. Farm Size and Productivity Debate; Theoretical And Empirical Findings. Agricultural Price Policy in India. 10


IV Current Issues in Indian Agriculture- Poverty & Food Security in India, Agro- Subsidies in India, Subsidy Vs Public Investment. Export and Imports of Agricultural Commodities, Terms of Trade in Indian Agriculture, WTO and Indian Agriculture-Bali Negotiations 10


VI Land Reforms in India & Its Contemporary Relevance, Green Revolution and the Need for Second Generation, Green Revolution, Role of Infrastructural Support-Irrigation, Power, Seeds Fertilizers, Marketing Support System and Roads in Agricultural Development in India.. 10

VII Role of Credit in Agricultural Development, Institutional & Non-Institutional Sources of Credit in India, Cooperative Movement in India (In Brief). Role of Schedule Commercial Banks, Lead Banks, Regional Rural Banks and NARBAD to Promote Agricultural Development.


Suggested Readings:

- Bhalla, G.S., (2007) Indian Agriculture since Independence, National Book Trust, India
- Khusro, A.M.(1973), The Economics of Land Reforms and Farm Size in India, MacMillan.
BA 3rd Year, Sem. VI

Course III (Optional)
(Theory)

Program/Class: Degree /BA
Year: Third
Semester: Sixth
Subject: Economics
Course Code: A080603T
Course Title: Elementary Mathematics

Course Outcome
- Students should be familiar with the basis concepts of mathematics and their application in economics.
- Students are able to comprehend & explain the concepts of straight lines slope etc of mathematics and its application in economics.
- Students should be able to understand basics of differential & its application in economics.
- Students should be able to understand and work with matrices and determine if a given square matrix is invertible.
- Learn about and work with vector spaces and subspaces.
- Students are able to understand and work with the concepts of linear programming & graphic methods.

Credits: 5
Core Compulsory
Max. Marks: 25+75
Min. Passing Marks: 40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w

<table>
<thead>
<tr>
<th>Unit</th>
<th>Topics</th>
<th>No. of Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Basic Concepts: Variables, Sets, Functions, Equations, Identities, Systems of Equations</td>
<td>9</td>
</tr>
<tr>
<td>II</td>
<td>Application of Straight Line System, Slope of the Line, Homogeneous Function</td>
<td>9</td>
</tr>
</tbody>
</table>
III | Role Of Mathematical Techniques In Economic Analysis, Theory of Numbers, Indices and Factorization. | 9
IV | Progression, Growth Rate, Equilibrium. | 9
V | Basics of Calculus: Rules of Differentiation of a Function; Maxima and Minima, | 9
VI | Elasticities; Inter-relationships among Total, Marginal and Average Cost and Revenues; Constrained Optimisation Problem; Integration of a Function, Consumer’s and Producer’s Surplus | 10
VII | Matrix and Determinants: Various types of Matrices, Determinants, Inverse of a Matrix, Cramer’s Rule. | 10
VIII | Concept of Linear Programming — Graphic Methods. | 10

Suggested Readings:


Suggested Continuous Evaluation Methods:
Assignment / test / Quiz (MCQ) / Seminar / Presentation / Research orientation of students

Suggested equivalent online:
Swayam

**BA3rd Year, Sem. VI**
**Course IV**
**(Project/Dissertation)**

<table>
<thead>
<tr>
<th>Program/Class: Degree/BA</th>
<th>Year: Third</th>
<th>Semester: Sixth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject: Economics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course Code: A080604R  
Course Title: Project/Dissertation

**Course Outcomes:**

- The objective of introducing Dissertation/Project at the graduation level is to familiarise, acquaint and experience the local issues of economic implication or focused on economic wellbeing and behaviour of consumers/citizens.
- It aims at enabling the students to use and apply the learned economic principles vis-a-vis local economic issues.
- To enable them to learn preparation of questionnaire/interview schedule.
- The Template/Format of the Dissertation/Project shall be developed by the respective Department.
- The idea behind this is to develop economic thinking in the students through direct experience to real life.

<table>
<thead>
<tr>
<th>Credits:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Compulsory</td>
<td>Max. Marks: 25+75</td>
</tr>
<tr>
<td>Unit</td>
<td>Topics</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
        Dissertation Report will be prepared using Statistical/Research Techniques, Surveys, Questionnaire/interview schedule.  
        Questionnaire/Interview Schedule must be attached with the report as annexure. | 45              |

**Suggested Readings:**

This course can be opted as an elective by the students of following subjects: Open for all

**Suggested Continuous Evaluation Methods:**
Fieldwork, Seminar, Presentations, VIVA, Dissertation.

Suggested equivalent online:
Swayam
Minor Paper-1( Economics)

BASIC ECONOMICS

Unit – I:  **Scope and Method:** Nature of Economic Laws: Micro economics versus Macro Economics; Concept of margin; Cardinal versus Ordinal approach of Utility; Indifference curve analysis and its properties; Consumer Surplus, and Consumer’s equilibrium.

**Demand Analysis:** Demand function and law of demand; Concept of elasticity-price, cross and income elasticity of demand.

Unit – II:  **Economic Systems:** Capitalism, Socialism and Mixed economy; Problem of resource allocation.

Unit – III:  **Production:** Production function, Combination of factors, Laws of production- Returns to scales, Law of variable proportions; Isoquant and its properties.

Unit – IV:  **Nature of Costs and Markets:** Cost functions- Short-run and long-run cost curves; Structure of Markets: Nature of perfect competition, monopoly and monopolistic competition; Equilibrium of firm.

Unit – V:  **National Income Analysis:** Concepts, Methods of measurement; Circular flow of income; Concept of inflation and employment; Sources of income – Central, State and Local Governments in India.

Books Recommended:

1. An Introduction to Positive Economics – R. G. Lipsey
2. Economics – Samuelson and Nordhaus
4. Principles of Micro Economics – Mankiw
5. Principles of Macro Economics – Mankiw
6. Advanced Economic Theory – H. L. Ahuja
7. Micro Economic Theory - Gould and Ferguson
8. Indian Economy - A. N. Agarwal
9. Public Finance – T. N. Hazela
**Minor Paper-2(Economics)**

**Fundamentals of Indian Economy**

**Unit-1 Introduction:** Nature and Characteristics of Indian Economy; Planning Commission: History of Five Year Plans in India, NITI Ayog: Strategy for future development.

**Unit-2 Indian Public Finance:** Budget Classification: Revenue Account v/s Capital Account; canons of public expenditure; canons of taxation; direct v/s indirect taxes; brief idea of Indian federal system.

**Unit-3 Indian Agriculture:** Nature and Problems of Indian Agriculture; Agricultural credit and agricultural marketing; Commission for agricultural costs and prices (CACP)& Agricultural Price Policy; Farm Management.


**Unit-5 Indian Monetary System:** Structure of Banking System: Central bank, Commercial Bank, Foreign Banks; Bank v/s Non-Bank financial Institutions.

**Basic Reading List:**

1. Ruddar Datt & K.P.M. Sundaram : Indian Economy
2. A.N. Aggarwal : Indian Economy-Problems of Development and Planning
3. Uma Kapila : Indian Economy Since Independence
4. Jean Dreze & Amartya Sen : Indian Development-Selected Regional Perspectives
5. Kaushik Basu : India’s Emerging Economy-Performance and Prospects in the 1990s & beyond
6. Shankar Acharya and Rakesh Mohan : India’s Economy-Performance and Challenges
7. Mishra and Puri : Indian Economy