

**TEACHING PLAN 2025-26 (Even Semester)****SUBJECT:** ECONOMICS**PAPER NAME & PAPER CODE:** Basics Elements of Economics - ECO4200104MJ/ECO4200104MN**CREDIT/TOTAL NO. OF CLASSES:** 4 credits/60 classes**PERIOD:** January 2026 – June 2026**NAME OF FACULTY:** Nishibrata Hazarika

| No. of lectures          | Time Period | Faculty | Topic                                                                     | Mode of Teaching                                              | Teaching Aids used                 | Assessment Method                 |
|--------------------------|-------------|---------|---------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------|-----------------------------------|
| 1                        | February    | NH*     | Introduction to the syllabus and CO & PO                                  | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom | --                                |
| February – March – April |             |         | UNIT III : 10 classes                                                     |                                                               |                                    |                                   |
| 1                        | February    |         | Growth Versus Development                                                 | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 1                        | February    |         | Per capita income (PCI)                                                   | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2                        | March       |         | International comparison of PCI and Role of Purchasing Power Parity (PPP) | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom | Sessional, Class test             |

|                    |       |  |                                                                             |                                                              |                                    |                                   |
|--------------------|-------|--|-----------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 1                  | March |  | Human Development Index (HDI)                                               | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 1                  | March |  | Sustainable Development                                                     | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 4                  | April |  | Discussion on Previous Year Questions (PYQs)                                | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Final Exam                        |
| <b>April - May</b> |       |  | <b>UNIT II : 4 classes</b>                                                  |                                                              |                                    |                                   |
| 1                  | April |  | Index Number - Meaning and Types                                            | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 1                  | April |  | Construction, uses and limitations of index numbers                         | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 2                  | May   |  | Cost of Living Index Numbers & Discussion on Previous Year Questions (PYQs) | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Final Exam                        |

\*NH – Nishibrata Hazarika

**N.B.:** Extra classes to be taken for doubt clearance and revisiting PYQs

*Nishibrata  
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**TEACHING PLAN 2025-26 (Even Semester)**

**SUBJECT:** ECONOMICS

**PAPER NAME & PAPER CODE:** Public Finance-ECO4400304MJ (Major Paper)

**CREDIT/TOTAL NO. OF CLASSES:** 4 credits/60 classes

**PERIOD:** January 2026 – June 2026

**COURSE INSTRUCTOR:** Nishibrata Hazarika

| No. of lectures                                                             | Time Period | Faculty | Topic                                    | Mode of Teaching    | Teaching Aids used                 | Assessment Method |
|-----------------------------------------------------------------------------|-------------|---------|------------------------------------------|---------------------|------------------------------------|-------------------|
| <b>UNIT I: Meaning, Scope and Nature (10 classes) :: January – February</b> |             |         |                                          |                     |                                    |                   |
| 1                                                                           | January     | NH*     | Introduction to CO & PO and the syllabus | Interactive Lecture | Blackboard /Chalk/Google Classroom | --                |

|                                                                                |          |     |                                                                       |                                                               |                                     |                                         |
|--------------------------------------------------------------------------------|----------|-----|-----------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|-----------------------------------------|
| 2                                                                              | January  |     | Public Finance and its nature                                         | Interactive Lecture                                           | Blackboard /Chalk/ Google Classroom | Sessional, Class test                   |
| 1                                                                              | January  |     | Objectives of Fiscal Intervention                                     | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/ Google Classroom | Sessional, Class test                   |
| 4                                                                              | February |     | Allocation, Distribution and Stabilization function of Public Finance | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/Google Classroom  | Sessional, Class test, Assignment       |
| 2                                                                              | February |     | Parameters for policy evaluation: equity, efficiency, Paternalism     | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom  | Sessional, Class test                   |
| UNIT II: Market Failure and Public Intervention (10 classes) :: February-March |          |     |                                                                       |                                                               |                                     |                                         |
| 2                                                                              | February | NH* | Public goods and the free rider                                       | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom  | Sessional, Class test, Assignment       |
| 5                                                                              | February |     | Externalities: inefficiencies and corrections                         | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom  | Sessional, Class test                   |
| 3                                                                              | March    |     | Property Rights and Coase Theorem                                     | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/Google Classroom  | Sessional, Class test                   |
| UNIT III: Taxation (10 classes) :: March                                       |          |     |                                                                       |                                                               |                                     |                                         |
| 3                                                                              | March    | NH* | Principles of taxation: benefit vs. ability                           | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom  | Sessional, Class test, Assignment, G.D. |

|                                                           |       |     |                                                                                 |                                                              |                                    |                                   |
|-----------------------------------------------------------|-------|-----|---------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 1                                                         | March |     | Shifting and Incidence of tax                                                   | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 4                                                         | March |     | Economic effects, dead weight loss and distortion                               | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2                                                         | March |     | Efficiency and equity considerations                                            | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| UNIT IV: Public Expenditure (10 classes) :: March – April |       |     |                                                                                 |                                                              |                                    |                                   |
| 2                                                         | March | NH* | Principles of expenditure analysis                                              | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 3                                                         | March |     | Fixed Quantity Subsidy for Marketed goods: overconsumption and underconsumption | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 3                                                         | April |     | Excise Subsidy: Allocative and Distributive Effect                              | Interactive Lecture,                                         | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2                                                         | April |     | Public Investment and Social Cost-Benefit Analysis                              | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| UNIT V: Public Debt and Budgeting (10 classes) :: April   |       |     |                                                                                 |                                                              |                                    |                                   |
| 2                                                         | April | NH* | Sources of Public Debt and its redemption                                       | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 2                                                         | April |     | Burden of Public Debt                                                           | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |

|   |       |  |                                                                |                                                              |                                    |                                   |
|---|-------|--|----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 2 | April |  | Strategies of Debt Management                                  | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 4 | April |  | Budgeting: Incremental vs Zero-based budgeting; Outcome Budget | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |

#### UNIT VI: Fiscal Policy and Federal Finance (10 classes) :: April – May

|    |       |            |                                                              |                                                              |                                    |                                   |
|----|-------|------------|--------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 1  | April | <b>NH*</b> | Objectives and Strategies of Fiscal Policy                   | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 3  | May   |            | Compensatory fiscal policy                                   | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2  | May   |            | Pump priming, Functional finance; Balanced Budget Multiplier | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 1  | May   |            | Fiscal Federalism: an overview                               | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 1  | May   |            | Vertical and Horizontal Equity                               | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 2  | May   |            | Inter-governmental Transfers, Finance Commission of India    | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| +4 | May   |            | Discussion on Previous Year Questions (PYQs)                 | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Final Exam                        |

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**TEACHING PLAN 2025-26 (Even Semester)**

**SUBJECT:** ECONOMICS

**PAPER NAME & PAPER CODE:** Public Finance-ECO4400504MN (Minor Paper)

**CREDIT/TOTAL NO. OF CLASSES:** 4 credits/60 classes

**PERIOD:** January 2026 – June 2026

**COURSE INSTRUCTOR:** Nishibrata Hazarika

| No. of lectures                                                             | Time Period | Faculty | Topic                                    | Mode of Teaching    | Teaching Aids used                 | Assessment Method |
|-----------------------------------------------------------------------------|-------------|---------|------------------------------------------|---------------------|------------------------------------|-------------------|
| <b>UNIT I: Meaning, Scope and Nature (10 classes) :: January – February</b> |             |         |                                          |                     |                                    |                   |
| 1                                                                           | January     | NH*     | Introduction to CO & PO and the syllabus | Interactive Lecture | Blackboard /Chalk/Google Classroom | --                |

|   |          |  |                                                                       |                                                               |                                     |                                   |
|---|----------|--|-----------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|-----------------------------------|
| 2 | January  |  | Public Finance and its nature                                         | Interactive Lecture                                           | Blackboard /Chalk/ Google Classroom | Sessional, Class test             |
| 1 | January  |  | Objectives of Fiscal Intervention                                     | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/ Google Classroom | Sessional, Class test             |
| 4 | February |  | Allocation, Distribution and Stabilization function of Public Finance | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/Google Classroom  | Sessional, Class test, Assignment |
| 2 | February |  | Parameters for policy evaluation: equity, efficiency, Paternalism     | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom  | Sessional, Class test             |

#### UNIT IV: Public Expenditure (10 classes) :: February – March

|   |          |     |                                                                                 |                      |                                    |                                   |
|---|----------|-----|---------------------------------------------------------------------------------|----------------------|------------------------------------|-----------------------------------|
| 2 | February | NH* | Principles of expenditure analysis                                              | Interactive Lecture  | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 3 | March    |     | Fixed Quantity Subsidy for Marketed goods: overconsumption and underconsumption | Interactive Lecture  | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 3 | March    |     | Excise Subsidy: Allocative and Distributive Effect                              | Interactive Lecture, | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2 | March    |     | Public Investment and Social Cost-Benefit Analysis                              | Interactive Lecture  | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |

| UNIT V: Public Debt and Budgeting (10 classes) :: April - May |       |     |                                                                |                                                              |                                    |                                   |
|---------------------------------------------------------------|-------|-----|----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 2                                                             | April | NH* | Sources of Public Debt and its redemption                      | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 2                                                             | April |     | Burden of Public Debt                                          | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 2                                                             | May   |     | Strategies of Debt Management                                  | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 4                                                             | May   |     | Budgeting: Incremental vs Zero-based budgeting; Outcome Budget | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| +4                                                            | May   |     | Discussion on Previous Year Questions (PYQs)                   | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Final Exam                        |

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**TEACHING PLAN 2025-26 (Even Semester)****SUBJECT:** ECONOMICS**PAPER NAME & PAPER CODE:** Environmental Economics-ECO0600404 (Major + Minor paper)**CREDIT/TOTAL NO. OF CLASSES:** 4 credits/60 classes**PERIOD:** January 2026 – June 2026**NAME OF FACULTY:** Nishibrata Hazarika

| No. of lectures                                | Time Period | Faculty    | Topic                                                                                                                                               | Mode of Teaching    | Teaching Aids used                 | Assessment Method     |
|------------------------------------------------|-------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------|-----------------------|
| <b>UNIT I : 12 classes :: February – March</b> |             |            |                                                                                                                                                     |                     |                                    |                       |
| 1                                              | February    | <b>NH*</b> | Introduction to the syllabus and CO & PO                                                                                                            | Interactive Lecture | Blackboard /Chalk/Google Classroom | --                    |
| 6                                              | February    |            | Basic concepts: Environment, Ecology, Economy and the ecosystem; Definition and scope of environmental economics; why study environmental economics | Interactive Lecture | Blackboard /Chalk/Google Classroom | Sessional, Class test |

|                      |                  |                                                                                                                                                       |                                                              |                                    |                                   |
|----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|
| 5                    | February – March | Interaction between the environment and the economy; environmental economics and ecological economics; environmental economics and resource economics | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| <b>March</b>         |                  | <b>UNIT II : 12 classes</b>                                                                                                                           |                                                              |                                    |                                   |
| 4                    | March            | Externalities: meaning and types of externalities                                                                                                     | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |
| 4                    | March            | Market failure: meaning and causes                                                                                                                    | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 4                    | March            | Market failure and public goods; Is environment a public good? Property rights and the Coase theorem; Solutions                                       | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| <b>March – April</b> |                  | <b>UNIT III : 12 classes</b>                                                                                                                          |                                                              |                                    |                                   |
| 4                    | March            | Environmental Policies: an overview; Nonmarket and market-based instruments of Environmental Policy                                                   | Interactive Lecture, Group Discussion-Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test, Assignment |
| 4                    | March            | Command and Control (CAC) approach; Economic instruments like Pigovian taxes                                                                          | Interactive Lecture                                          | Blackboard /Chalk/Google Classroom | Sessional, Class test             |

|             |               |  |                                                                                                                                                                   |                     |                                    |                       |
|-------------|---------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------|-----------------------|
|             |               |  | and effluent fees, tradable permits and liability rules.                                                                                                          |                     |                                    |                       |
| 4           | March – April |  | Monitoring and Enforcement: What is monitoring and enforcement? Penalties, Cost of abatement.                                                                     | Interactive Lecture | Blackboard /Chalk/Google Classroom | Sessional, Class test |
| April – May |               |  | <b>UNIT IV : 2 classes</b>                                                                                                                                        |                     |                                    |                       |
| 8           | April         |  | Approaches to Sustainable Development: weak sustainability, strong sustainability, Safe minimum standard approach, ecological perspective and social perspective. | Interactive Lecture | Blackboard /Chalk/Google Classroom | Sessional, Class test |
| 4           | April         |  | Rules and indicators of Sustainable Development; Green Accounting (concept only)                                                                                  |                     |                                    |                       |
| April – May |               |  | <b>UNIT V : 12 classes</b>                                                                                                                                        |                     |                                    |                       |
| 2           | April         |  | Transboundary pollution (Problems of International Externalities)                                                                                                 | Interactive Lecture | Blackboard /Chalk/Google Classroom | Sessional, Class test |
| 2           | May           |  | Economics of Climate change and Variability: Causes and Consequence;                                                                                              | Interactive Lecture | Blackboard /Chalk/Google Classroom | Sessional, Class test |

|   |     |  |                                                                                                    |                                                               |                                    |                       |
|---|-----|--|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------|-----------------------|
| 4 | May |  | Inter linkages and trade off between Environment and Development. Environmental Kuznet Curve.      | Interactive Lecture                                           | Blackboard /Chalk/Google Classroom | Sessional, Class test |
| 2 | May |  | Trade and environment: pollution haven hypothesis. Global Intervention for Sustainable Development | Interactive Lecture, Group Discussion- Participatory Learning | Blackboard /Chalk/Google Classroom | Sessional, Class test |
| 2 | May |  | Discussion on Previous Year Questions (PYQs)                                                       | Discussion                                                    | Blackboard /Chalk/Google Classroom | Final Exam            |

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**N.B.:** Extra classes to be taken for doubt clearance and revisiting PYQs

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**TEACHING PLAN**  
**2<sup>nd</sup> SEMESTER-2026**  
**JANUARY 2026 – JUNE 2026**

**PAPER NAME & PAPER CODE:** SKILL ENHANCEMENT COURSE :DATA ANALYSIS (SEC0200103)

**TOTAL CREDIT:** 3 CREDITS (THEORY: 0 CREDIT; PRACTICAL: 3CREDITS)

**CONTACT HOURS:** 45

**TOTAL MARKS:** 75 (INTERNAL: 20+PRACTICAL:25+ FINAL:30)

**TEACHER NAME:** DR. RUMIA BEGUM, ASSISTANT PROFESSOR, DEPT. OF ECONOMICS

| <b>Unit Details</b>                                                                                                                                                                                                                                                                             | <b>Time Period</b> | <b>Marks</b> | <b>No. of Classes</b> | <b>Mode of Teaching</b>                   | <b>Mode of Evaluation</b>   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|-----------------------|-------------------------------------------|-----------------------------|
| <b>Unit-1</b><br>Basic concepts of data; Tabular presentation of data-single, double and multiple table; Diagrammatic presentation: one dimensional, two dimensional: histogram, pie diagram; three dimensional-rectangular, cube; pictograms and cartograms, scatter, line and radar diagrams; | Feb                | 20           | 15                    | Computer hands on using MS Excel and SPSS | Class test, Sessional Exam  |
| <b>Unit 2:</b><br>Overview of basic statistics: Frequency , Summation, Maximum, Minimum, Mean, Median, Mode, Standard Deviation, Skewness.                                                                                                                                                      | March              | 20           | 10                    | Computer hands on using MS Excel and SPSS | Class test, Sessional Exam, |
| <b>Unit 3:</b><br>Statistical relation: Covariance, Correlation: Bivariate, Partial , Rank, Correlation Matrix                                                                                                                                                                                  | March-April        | 35           | 20                    | Computer hands on using MS Excel and SPSS | Class test, Sessional Exam, |

**Strategy for slow and advanced learners:**

Within one month of commencement of classes one test of all the topics will be taken to test the learning ability of students, extra attention during hands on and study materials for slow learners; extra assignments are there to aid slow learners

**Advanced learners:** To provide advance practice problems/questions

Rumia Begum

**TEACHING PLAN**  
**4<sup>TH</sup> SEMESTER-2026**  
**JANUARY 2026 – JUNE 2026**

**PAPER NAME & PAPER CODE:** : ADVANCED MACROECONOMICS (ECO4400204MJ)

**TOTAL CREDIT:** 4 CREDITS      **CONTACT HOURS:** 60

**TOTAL MARKS:** 100      **INTERNAL:** 40      **EXTERNAL:** 60

**TEACHER NAME:** DR. RUMIA BEGUM, ASSISTANT PROFESSOR, DEPT. OF ECONOMICS

| <b>Unit Details</b>                                                                                                                                                                                                                                                                                                     | <b>Time Period</b> | <b>Marks</b> | <b>No. of Classes</b> | <b>Mode of Teaching</b>                            | <b>Mode of Evaluation</b>                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|-----------------------|----------------------------------------------------|---------------------------------------------|
| <b>Unit-1 : Consumption Function</b><br>APC and MPC, Factors influencing Consumption spending; Keynes consumption theory ;Relative Income Hypothesis; Permanent Income Hypothesis and Life cycle hypothesis                                                                                                             | Jan-Feb            | 20           | 15                    | ICT lecture; Interactive Lecture; Google Classroom | Class test, Sessional Exam                  |
| <b>Unit 2: Investment Function</b><br>Types of investment- Autonomous and Induced, residential investment and inventory investment, Determinants of business fixed investment, marginal efficiency of capital, Marginal efficiency of investment; Accelerator theory of Investment; Multiplier Accelerator interaction. | Feb                | 20           | 15                    | ICT Lecture, Google Classroom                      | Class test, Sessional Exam, Home Assignment |
| <b>Unit 3: Macroeconomic modelling</b><br>IS-LM model and policy analysis, Income determination in an open economy; Mundell-Fleming model; Exchange rate and its determination; Purchasing power parity; Demand-Supply and Balance of Payments theory.                                                                  | Feb-March          | 30           | 14                    | Lecture, Google Classroom                          | Class test, Sessional Exam, Quiz            |

|                                                                                                                                                                                   |         |    |    |          |                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|----|----------|------------------------------------------------|
|                                                                                                                                                                                   |         |    |    |          |                                                |
| <b>Unit 4: Inflation, Unemployment and Expectations</b><br>Inflation-unemployment trade off and Phillips curve; Adaptive and Rational expectations; policy ineffectiveness debate | Mar     | 15 | 08 | Lecture, | Class test, Sessional Exam, Group Presentation |
| <b>Unit 5: Economic Growth</b><br>Harrod- Domar model; Solow model; Technological progress and elements of endogenous growth                                                      | Mar-Apr | 15 | 08 | Lecture  | Class Test, Sessional Exam, Group Discussion   |

#### Strategy for slow and advanced learners:

Within one month of commencement of classes one test of all the topics in the google classroom will be taken to test the learning ability of students, study materials and PPTs are for slow learners; extra assignments are there to aid slow learners

**Advanced learners:** Swayam Portal materials to be shared

*Rumia Begum*

**TEACHING PLAN**  
**6<sup>TH</sup> SEMESTER-2026**  
**JANUARY 2026 – JUNE 2026**

**PAPER NAME & PAPER CODE:** : FUNDAMENTALS OF FINANCIAL ECONOMICS (ECO0600304)

**TOTAL CREDIT:** 4 CREDITS      **CONTACT HOURS:** 60

**TOTAL MARKS:** 100      **INTERNAL:** 40      **EXTERNAL:** 60

**TEACHER NAME:** DR. RUMIA BEGUM, ASSISTANT PROFESSOR, DEPT. OF ECONOMICS

| <b>Unit Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Time Period</b> | <b>Marks</b> | <b>No. of Classes</b> | <b>Mode of Teaching</b>                                  | <b>Mode of Evaluation</b>                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|-----------------------|----------------------------------------------------------|---------------------------------------------|
| <b>Unit-1 : Financial Market</b><br>Money market, its structure and functions, instruments in the money market; trading and settlement process in the secondary capital market, stock market index, mutual fund and its functional classification; instruments of resource mobilization such as public issues like IPO and FPO, Right Issues, and Private Placement, Pricing of new issues; Stock market Index; Mutual Fund and its classification. | Jan-Feb            | 25           | 15                    | ICT lecture;<br>Interactive Lecture;<br>Google Classroom | Class test, Sessional Exam                  |
| <b>Unit 2: Valuation of Financial Asset</b><br>Law of one price and Arbitrage; The valuation of debt instruments: Pure discount bonds. Coupon bonds, Current Yield and Yield to Maturity; Valuing of stock: value of a common stock and dividend discount model: zero growth and constant growth.                                                                                                                                                   | Feb                | 20           | 12                    | ICT Lecture,<br>Google Classroom                         | Class test, Sessional Exam, Home Assignment |

|                                                                                                                                                                                                 |           |    |    |                           |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|----|---------------------------|------------------------------------------------|
| <b>Unit 3: Financial Analysis</b><br>Financial Ratios: Liquidity Ratios, Turnover Ratios, Profitability Ratios, Valuation Ratios; Dupont Analysis, Relationships, Interpretations and Analysis. | Feb-March | 20 | 12 | Lecture, Google Classroom | Class test, Sessional Exam, Quiz               |
| <b>Unit 4: Risk and Return</b><br>Risk and Return of an Asset and a Portfolio; Measurement of Market Risk. Beta of a stock. The Risk management process. Dimension of Risk Transfer             | Mar       | 20 | 11 | Lecture,                  | Class test, Sessional Exam, Group Presentation |
| <b>Unit 5: The Derivative Market</b><br>Nature of Derivative Market; Traders and Instruments in a derivative market; Trading Strategies: Hedging, Speculation for Arbitrage Strategies.         | Mar-Apr   | 15 | 10 | Lecture                   | Class Test, Sessional Exam, Group Discussion   |

### **Strategy for slow and advanced learners:**

Within one month of commencement of classes one test of all the topics in the google classroom will be taken to test the learning ability of students, study materials and PPTs are for slow learners; extra assignments are there to aid slow learners

**Advanced learners:** Swayam Portal materials to be shared

## Teaching Plan

**Course: Value Added Course**

**Course Title: Environmental Studies**

**Course Credit: 2**

**Contact Classes required: 30**

**Teacher: Dr. Jublee Goswami, Assistant Professor, Dept. of Economics**

| Unit     | Topic                                                                                                                                                                                                                                         | Period                | Mode of Teaching                      | Mode of Assessment                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|--------------------------------------------------------------------|
| <b>1</b> | <b>Introduction to Environmental Studies</b>                                                                                                                                                                                                  | <b>Aug Lectures 5</b> | <b>L, ICT, Participatory Learning</b> | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|          | Environmental Studies, meaning, nature and scope; multidisciplinary nature of the subject                                                                                                                                                     | 1                     | L, ICT                                | Class test                                                         |
|          | Natural Resources; classification; different forms of natural resources; meaning and uses                                                                                                                                                     | 2                     | L                                     | Quiz                                                               |
|          | Common Property Resources; tragedy of commons                                                                                                                                                                                                 | 1                     | L                                     | Class test                                                         |
|          | Climate change; global warming and Concept of sustainable development                                                                                                                                                                         | 1                     | L, ICT                                | Quiz, Group Discussion                                             |
| <b>2</b> | <b>Ecosystems</b>                                                                                                                                                                                                                             | <b>Aug –Sep 10</b>    | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Seminar</b>          |
|          | What is an ecosystem? Difference between ecology and ecosystem. Structure and function of ecosystem: Energy flow in an ecosystem: food chains, food web and ecological succession                                                             | 3                     | L, ICT                                | Quiz, Class test                                                   |
|          | Case studies on any one of the following<br>a) Forest ecosystem<br>b) Grassland ecosystem<br>c) Aquatic ecosystems (ponds, streams, lakes, rivers)<br>d) Mountain ecosystem                                                                   | 7                     | L                                     | Seminar                                                            |
| <b>3</b> | <b>Environmental Pollution and laws</b>                                                                                                                                                                                                       | <b>Oct 15</b>         | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|          | Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution                                                                                                                                            | 3                     | L                                     | Quiz                                                               |
|          | Solid waste management: Control measures of urban and industrial waste                                                                                                                                                                        | 3                     | L                                     | Class test, Quiz                                                   |
|          | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements, policies and treaties | 9                     | L                                     | Seminar, Group Discussion, class test                              |

**After 15 days of commencement of classes a test for Learning ability will be taken and necessary measures will be adopted**

## Teaching Plan

**Course: Value Added Course**

**Course Title: Environmental Studies**

**Course Credit: 2**

**Contact Classes required: 30**

**Teacher: Dr. Jublee Goswami, Assistant Professor, Dept. of Economics**

| Unit                                                                                                                             | Topic                                                                                                                                                                                                                                         | Period                | Mode of Teaching                      | Mode of Assessment                                                 |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|--------------------------------------------------------------------|
| <b>1</b>                                                                                                                         | <b>Introduction to Environmental Studies</b>                                                                                                                                                                                                  | <b>Aug Lectures 5</b> | <b>L, ICT, Participatory Learning</b> | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|                                                                                                                                  | Environmental Studies, meaning, nature and scope; multidisciplinary nature of the subject                                                                                                                                                     | 1                     | L, ICT                                | Class test                                                         |
|                                                                                                                                  | Natural Resources; classification; different forms of natural resources; meaning and uses                                                                                                                                                     | 2                     | L                                     | Quiz                                                               |
|                                                                                                                                  | Common Property Resources; tragedy of commons                                                                                                                                                                                                 | 1                     | L                                     | Class test                                                         |
|                                                                                                                                  | Climate change; global warming and Concept of sustainable development                                                                                                                                                                         | 1                     | L, ICT                                | Quiz, Group Discussion                                             |
| <b>2</b>                                                                                                                         | <b>Ecosystems</b>                                                                                                                                                                                                                             | <b>Aug –Sep 10</b>    | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Seminar</b>          |
|                                                                                                                                  | What is an ecosystem? Difference between ecology and ecosystem. Structure and function of ecosystem: Energy flow in an ecosystem: food chains, food web and ecological succession                                                             | 3                     | L, ICT                                | Quiz, Class test                                                   |
|                                                                                                                                  | Case studies on any one of the following<br>a) Forest ecosystem<br>b) Grassland ecosystem<br>c) Aquatic ecosystems (ponds, streams, lakes, rivers)<br>d) Mountain ecosystem                                                                   | 7                     | L                                     | Seminar                                                            |
| <b>3</b>                                                                                                                         | <b>Environmental Pollution and laws</b>                                                                                                                                                                                                       | <b>Oct 15</b>         | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|                                                                                                                                  | Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution                                                                                                                                            | 3                     | L                                     | Quiz                                                               |
|                                                                                                                                  | Solid waste management: Control measures of urban and industrial waste                                                                                                                                                                        | 3                     | L                                     | Class test, Quiz                                                   |
|                                                                                                                                  | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements, policies and treaties | 9                     | L                                     | Seminar, Group Discussion, class test                              |
| <b>After 15 days of commencement of classes a test for Learning ability will be taken and necessary measures will be adopted</b> |                                                                                                                                                                                                                                               |                       |                                       |                                                                    |

## **Four Year Undergraduate Programme**

**Semester: Third**

**Course Name: Natural Resource Management and Sustainable Development**

**Course level: 100-199**

### **Syllabus:**

| <b>Unit</b>                                                       | <b>Contents</b>                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit-I:<br>Introduction                                           | Introduction to natural resources-Air, Water, Soil, Mineral resources,<br>Forests and Energy resources; Classification of natural resources                                                                                                                                                                      |
| Unit-II:<br>Water and<br>Forest resource<br>and its<br>management | Brief about water resource management-Surface and Groundwater (Global, National and Regional perspectives); Indigenous Water management techniques in NE India (Dong, Zabo, Bamboo drip irrigation)<br>Forest types and their characteristics; Status and distribution of forests-National and regional scenario |
| Unit-III:<br>Mineral<br>resource<br>and its<br>management         | Use and exploitation of mineral resources; Environmental effects of extracting and using mineral resources-case studies; Mineral resources of NE India and the associated environmental issues and management strategies.                                                                                        |

### **Reading list:**

- 1 Sustainable natural resource management in North east India: K.C.Das, P.J.Das and S.Ojha
- 2 Dying Wisdom- A.Agarwal and S.Narain
- 3 Environmental management and Sustainable Agriculture: M.A.Khan
- 4 Environmental Conservation-promises and actions: A.Ghosh
- 5 River Water sharing-Transboundary conflict and cooperation in India: N.S.Mohan;

### **I. Course Objective:**

The course objective is to develop an understanding of the basic concepts of environmental significances of natural resources. It also aims to make the students understand about the risks factors associated with natural resource extraction and uses.

### **II. Learning Outcome:**

Natural resources represent a potentially transformational opportunity to support development, but they are ultimately finite. So, by this course attempts have been made to teach the students about the complex and interwoven aspects of natural resources and to make

the learners committed to harnessing the transformational impacts of the natural resource with sustainability aspects.

## Teaching Plan

**Course: Value Added Course**

**Course Title: Natural Resource Management and Sustainable Development**

**Course Credit: 2**

**Contact Classes required: 30**

**Teacher: Dr. Jublee Goswami, Assistant Professor, Dept. of Economics**

| <b>Unit</b> | <b>Topic</b>                                                                                                                                                       | <b>Period</b>                      | <b>Mode of Teaching</b>               | <b>Mode of Assessment</b>                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------|--------------------------------------------------------------------|
| <b>1</b>    | Introduction                                                                                                                                                       | <b>Aug-Sep-Oct<br/>Lectures 15</b> | <b>L, ICT, Participatory Learning</b> | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|             | Natural Resources; classification; different forms of natural resources                                                                                            | 5                                  | L                                     | Quiz                                                               |
|             | Introduction to natural resources-Air, Water, Soil, Mineral resources, Forests and Energy resources                                                                | 10                                 | L, ICT                                | Class test                                                         |
| <b>2</b>    | <b>Water and Forest resource and its management</b>                                                                                                                | <b>Oct-Nov 15</b>                  | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Seminar</b>          |
|             | Brief about water resource management-Surface and Groundwater (Global, National and Regional perspectives);                                                        | 3                                  | L, ICT                                | Quiz, Class test                                                   |
|             | Indigenous Water management techniques in NE India (Dong, Zabo, Bamboo drip irrigation)                                                                            | 5                                  | L                                     | Seminar                                                            |
|             | Forest types and their characteristics;                                                                                                                            | 3                                  | L                                     | Group Discussion                                                   |
|             | Status and distribution of forests-National and regional scenario                                                                                                  | 4                                  | L                                     | -                                                                  |
| <b>3</b>    | <b>Mineral resource and its management</b>                                                                                                                         | <b>Nov-Dec 15</b>                  | <b>L, ICT</b>                         | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|             | Use and exploitation of mineral resources;                                                                                                                         | 5                                  | L                                     | <b>Quiz</b>                                                        |
|             | Environmental effects of extracting and using mineral resources-case studies;                                                                                      | 5                                  | L                                     | <b>Class test, Quiz</b>                                            |
|             | Mineral resources of NE India and the associated environmental issues and Management strategies. Conservation Act. International agreements, policies and treaties | 5                                  | L                                     | <b>Seminar, Group Discussion, class test</b>                       |
|             | Group Discussion/ Seminar                                                                                                                                          | 5                                  | Participatory Learning                | -                                                                  |

|                                                                                                                                  |                                       |   |                       |  |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---|-----------------------|--|
|                                                                                                                                  | Class assignment/ Library use         | 5 | Experiential Learning |  |
|                                                                                                                                  | Screening of Videos and Documentaries | 5 | Experiential Learning |  |
| <b>After 15 days of commencement of classes a test for Learning ability will be taken and necessary measures will be adopted</b> |                                       |   |                       |  |



## Teaching Plan

Course: Value Added Course

Course Title: Environmental Studies

Course Credit: 2

Contact Classes required: 30

Teacher: Dr. Jublee Goswami, Assistant Professor, Dept. of Economics

| Unit | Topic                                                                                                                                                                             | Period                     | Mode of Teaching                          | Mode of Assessment                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|--------------------------------------------------------------------|
| 1    | <b>Introduction to Environmental Studies</b>                                                                                                                                      | <b>Aug<br/>Lectures 5</b>  | <b>L, ICT,<br/>Participatory Learning</b> | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|      | Environmental Studies, meaning, nature and scope; multidisciplinary nature of the subject                                                                                         | 1                          | L, ICT                                    | Class test                                                         |
|      | Natural Resources; classification; different forms of natural resources; meaning and uses                                                                                         | 2                          | L                                         | Quiz                                                               |
|      | Common Property Resources; tragedy of commons                                                                                                                                     | 1                          | L                                         | Class test                                                         |
|      | Climate change; global warming and Concept of sustainable development                                                                                                             | 1                          | L, ICT                                    | Quiz, Group Discussion                                             |
| 2    | <b>Ecosystems</b>                                                                                                                                                                 | <b>Aug<br/>–Sep<br/>10</b> | <b>L, ICT</b>                             | <b>Quiz, class test, sessional, end semester, Seminar</b>          |
|      | What is an ecosystem? Difference between ecology and ecosystem. Structure and function of ecosystem: Energy flow in an ecosystem: food chains, food web and ecological succession | 3                          | L, ICT                                    | Quiz, Class test                                                   |
|      | Case studies on any one of the following<br>a) Forest ecosystem<br>b) Grassland ecosystem<br>c) Aquatic ecosystems (ponds, streams, lakes, rivers)<br>d) Mountain ecosystem       | 7                          | L                                         | Seminar                                                            |
| 3    | <b>Environmental Pollution and laws</b>                                                                                                                                           | <b>Oct<br/>15</b>          | <b>L, ICT</b>                             | <b>Quiz, class test, sessional, end semester, Group Discussion</b> |
|      | Environmental pollution: types, causes, effects and controls; Air, water, soil and noise                                                                                          | 3                          | L                                         | Quiz                                                               |

|                                                                                                                                  |                                                                                                                                                                                                                                               |          |          |                                              |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------------------------------------------|
|                                                                                                                                  | pollution                                                                                                                                                                                                                                     |          |          |                                              |
|                                                                                                                                  | Solid waste management: Control measures of urban and industrial waste                                                                                                                                                                        | <b>3</b> | <b>L</b> | <b>Class test, Quiz</b>                      |
|                                                                                                                                  | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements, policies and treaties | <b>9</b> | <b>L</b> | <b>Seminar, Group Discussion, class test</b> |
| <b>After 15 days of commencement of classes a test for Learning ability will be taken and necessary measures will be adopted</b> |                                                                                                                                                                                                                                               |          |          |                                              |

### TEACHING PLAN 2023-24

**SUBJECT:** ECONOMICS

**PAPER NAME & PAPER CODE:** Introductory Economics (ECO010104)

**CREDIT/TOTAL NO. OF CLASSES:** 4 credits/60 classes

**PERIOD:** August 26-Dec 26

| No. of lectures | Faculty | Topic                                                                                                                                               | Mode of Teaching          | Teaching Aids used    | Assessment Method |
|-----------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|-------------------|
|                 |         |                                                                                                                                                     | Learning                  |                       | discussion        |
| 1               | JG*     | Introductory class: meaning and scope of public finance, basic terminologies                                                                        | Lecture                   | Chalk and board       |                   |
| 3               |         | Tax, meaning, canons, concepts of impact of tax, tax rate, shifting of burden, buoyancy and elasticity of tax, characteristics of a good tax system | Lecture                   | Chalk and board , ICT |                   |
| 2               |         | Direct and indirect tax, meaning, differences, advantages, disadvantages                                                                            | Lecture, group discussion | Chalk and board       |                   |
| 2               |         | Progressive and regressive taxation: meaning, advantages, disadvantages                                                                             | Lecture, group discussion | Chalk and board       |                   |
| 2               |         | Concept of government budget, purposes and procedures                                                                                               | Lecture, ICT              | Chalk and board, ICT  |                   |
| 2               |         | Budget: basic terminologies and types                                                                                                               | Lecture                   | Chalk and board       |                   |