

**Bodoland University**

**Kokrajhar, Assam**

**Ph.D. Coursework Syllabus 2021**

**Total Paper: 5**

**Total Credit: 14**

<b>Sl. No.</b>	<b>Paper Title</b>	<b>Paper Code</b>	<b>Paper Credit</b>
<b>1</b>	<b>Research Methodology in Economics</b>	<b>ECOPHD-21.1</b>	<b>3</b>
<b>2</b>	<b>Advanced Economic Theory</b>	<b>ECOPHD-21.2</b>	<b>3</b>
<b>3</b>	<b>Statistical Analysis and Computer Application</b>	<b>ECOPHD-21.3</b>	<b>3</b>
<b>4</b>	<b>Rural Development in India</b>	<b>ECOPHD-21.4</b>	<b>3</b>
<b>5</b>	<b>Research and Publication Ethics</b>	<b>ECOPHD-21.5</b>	<b>2</b>

## **ECOPHD-21.1**

### **Research Methodology in Economics**

**(Credit-3)**

#### **Unit 1**

Meaning of Research in Economics-purpose, characteristics and types of research-process of Research-Formulating of Objectives- Formulation of Hypothesis-Types of Hypothesis-Methods of Testing Hypothesis- Research plan and its Components-Methods of Research- Survey, Observation, Case study, Experimental and Focus Group Discussion

#### **Unit 2**

Writing of Research Proposal, Reports and Research paper, Footnotes, End Notes, Reference and Bibliography- Editing the Final draft- Evaluating the final draft

#### **Unit 3**

Data and Source of data- Primary vs Secondary data, Methods of Primary Data, Observation, Questionnaire and Schedule, Structured and Unstructured and Participatory vs Non Participatory, pilot survey

Sampling and Survey Data: Population and Sample, Purposive and NonPurposive, Sample Size, Sampling Procedure: SRS (WR and WOR), Stratific Systematic, Repeated Systematic, Cluster and Multi Stage Cluster, Quoto Sampling and Sequential Sampling, Sample Weights and Choice of Sampling design

#### **Recommended Readings:**

C.R. Kothari, *Research Methodology: Methods and Techniques*, New Age International (P) Ltd Publishers.

J. David Creswell and John W. Creswell, *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*, (5<sup>th</sup> Edition) Sage Publishing.

Mark Balnaves and Peter Caputi, *Introduction to Quantitative Research Methods: An Investigative Approach*, Sage Publishing

## **ECOPHD-21.2**

### **Advanced Economic Theory**

**(Credit-3)**

#### **Unit-1 Micro Economics**

Consumer Behavior: Demand theory, Revealed Preference theory and Recent Development of Demand theory

Producer Behavior: Theory of Production- Cob Douglas production function, CES production function and Theory of Cost

Game theory: Dominant strategy, Nash Equilibrium, cooperative and non-cooperative games

#### **Unit-2 Macro Economics:**

Classical and Keynesian Approaches, Neoclassical synthesis, Economic Growth models, Endogenous Growth Model and Rational expectation

Behavioral Foundation: Theories on consumption and Saving-The life cycle and Permanent Income, Consumption under uncertainty

Economic Inequality and Measurement- Context and Measurement of Economic Inequality- The Lorenz Curve, Gini Coefficient and Theil index

#### **Unit- 3 Public Finance:**

Public Finance and expenditure: Nature and scope, role of Government in changing perspective; fiscal function of the Government; classification of Goods: Private, Public, Social, Merit and Mixed Goods. Theories of Public Expenditure, Effect of public expenditure and Economic Growth, Criteria for Public Investment- social cost benefit analysis-Project evaluation

Fiscal policy for Inflation, Employment and Economic Growth

#### **Recommended Readings:**

Dornbusch, R & Stanley Fischer (2015): *Macroeconomics*, McGraw Hill Education.

Koutsoyiannis, A. (1979): *Modern Microeconomics (2<sup>nd</sup> edition)*, Macmillan Press, London

Musgrave and Musgrave, *Public Finance in Theory and Practice*, McGraw Hill International Edition Finance Series.

Ray, D (2007): *Development Economics*, Oxford India.

## **ECOPHD-21.3**

### **Statistical Analysis and Computer Application**

**(Credit-3)**

#### **Unit 1: Statistical Inferences**

Review of statistical Tools and Techniques, Testing of Hypothesis: Type I and Type II Errors, Parametric and non parametric test-T-test and chi square distribution.

#### **Unit 2: Regression Analysis**

Linear and non linear Regression and Multiple Regression- Estimation and Testing Procedure, Problems in Regression Analysis-Multicollinearity, Autocorrelation and Heteroscedasticity- Detection and Remedies, Dummy variable, Time series Analysis

#### **Unit 3: Computer Application**

MS-Office, MS-Excel, Power point, Data entry, editing coding, classification and tabulation, Pictorial Representation-Bar, line, pie, scatter diagram, SPSS

#### **Recommended Readings:**

D.Gujarati, *Basic Econometrics*, McGraw Hill, 2007

G.M.KMadhani, *Introduction to Econometrics principles and Application*, Oxford & IBH, seventh edition,2005

G.S. Maddala, *Econometrics*, McGraw Hill

Karl Schwartz, '*Microsoft Windows 98 Training Guide*', 1998

P.K Sinha '*computer Fundamentals*, Publication, 1992

## ECOPhD-21.4

### Rural Development in India

(Credit-3)

Unit-1 **Basics of Rural Development:** Rural Economy, Economic Structure of rural India, important issues in rural development, scope of rural development in India

Unit-2: **Industry and Agriculture:** Rural Industrialization, agriculture and economic development in rural India.

Unit-3: **Service Sector:** Health status in rural India, education in Rural India, social and other economic services in rural India

Unit-4: **Policies and Implementation:** Rural Development planning and Management, rural development policies and strategies.

#### Recommended Readings:

Abdul Azeez NP & S.M. Jawed Akhtar, *Rural Development in India*, Kalpaz Publications

G. Sreedhar & D. Rajesekhar, *Rural Development in India: Strategies and Processes*, Publisher

Ruddar Datt & K.P.M. Sundharam *Indian Economy*, S.Chand

S.K. Mishra and V. K. Puri, *Indian Economy*, Himalaya Publishing House