

DEPARTMENT OF ECONOMICS
BANGABASI COLLEGE
VALUE ADDED COURSE
Environmental Economics and Sustainable Development
2022-23

Course Duration: 30 hours

Timeframe: 3 months

Course Description:

This course will provide a comprehensive overview of environmental economics and its role in promoting sustainable development. Students will learn about the economic principles that govern environmental issues, the tools and methods used to assess the economic value of natural resources, and the policies and strategies that can be implemented to achieve sustainable development goals. The course will also explore the relationship between economic growth, environmental degradation, and social welfare, and how these factors can be balanced to ensure long-term sustainability.

Unit 1: Introduction to Environmental Economics

Lectures: 10 hours

- Components of Environment- Interlinkage between economy and environment- environmental economics vs natural resources economics-Common property resources- environmental degradation as market failure- Market efficiency through negotiation-Critical Evaluation

Unit 2: Environment and Sustainable Development

Lectures: 10 hours

Environment and Development trade off-Population and environment-trade and environment-concept of sustainable development-indicators of sustainable development-Rules to sustainability-concept of green accounting- Overview of the UN Sustainable Development Goals- Linkages between economic growth and environmental sustainability- Strategies for achieving sustainable development

Unit 3: Renewable and Non-Renewable Resources

Lectures: 5 hours

Concept of non-renewable resources-market structure and policy-scarcity, costs and externalities-concept of Renewable natural resources-the fishery

Unit 4: Environmental Justice and Poverty

Lectures: 5 hours

- Environmental degradation and its impact on low-income communities - Climate change adaptation and resilience in vulnerable populations - Green economy initiatives for poverty reduction

References:

1. Environmental Economics: An Introduction by Barry C. Field and Martha K. Field

2. Economics of the Environment: Selected Readings edited by Robert N. Stavins
3. Sustainable Development: Concepts, Rationalities, and Strategies edited by Sergio Ulgiati et al.
4. Environmental Economics: A Very Short Introduction by Stephen Smith Call Number: MAIN HC79.E5 S538 2011
5. Green Politics, Green Economics: the Basics of Ecology and Alternatives to Globalization and the War on Nature by Athena Palaologou
6. The Political Economy of Environmental Justice by Spencer Banzhaf
7. This Changes Everything: Capitalism vs. the Climate by Naomi Klein
8. Environmental Economics, C Kolstad, OUP
9. Hanley N, Shogren J.F. & White B. Environmental Economics in Theory and Practice, Macmillan
10. G.M. Meier and J.E. Rauch. Leading Issues in Economics Development. OUP (8th edition)
11. Environmental Economics (OIP): AN Indian Perspective by Rabindranath Bhattacharyya (2002)