

## **Energy Economics and Policy**

### **Energy and Economy**

Introduction to different forms of energy; Understanding energy-economy linkages; Accounting energy balance; Understanding energy intensity and efficiency; Tradeoffs between energy-environment, Role of globalization and urbanization on energy demand

### **Economics of Non-renewable Energy**

Economics of coal, petroleum and natural gas; Pricing of exhaustible energies - theories and practical issues; Regulation of fossil fuels energy markets

### **Economics of Renewable Energy**

Drivers and sources of renewable energy; Economics of renewable energy supply; Developing markets for renewable energies

### **Environmental Implications of Energy**

Energy-economic growth-environment Interactions; Income inequality-energy-pollution linkages; Climate change and environmental Kuznets Curve; Pollution haven hypothesis; Analysis on energy mix-climate change-market failure; natural resources management, The Clean Development Mechanism

### **Current Energy Issues and Policies**

Current energy market trend and challenges; Energy policies in selected countries; Energy governance in India; Policy and institutional arrangement for energy efficiency and management in developing countries; Promoting clean energy usage for sustainable development goals

### **Suggested Readings:**

Tietenberg, T. Environmental and Natural Resource Economics, seventh edition, Addison Wesley, 2006●

Munasinghe, M. and P. Meier, Energy Policy Analysis and Modelling. U.K.: Cambridge University Press, 1993

Ristinen, R. and J. Kraushaar, Energy and the Environment, John Wiley and Sons, 1998.

Wright, R.T., Environmental Science: Towards Sustainable Future, Pearson, Eleventh Edition, 2011

Ristinen, R. and J. Kraushaar, Energy and the Environment, John Wiley and Sons, 1998