

ENS 601 ATMOSPHERE AND CLIMATE CHANGE

(Credits 04)

OBJECTIVE

To recognize dynamic nature of earth's atmosphere in terms of global energy balance, and appraise climate change and policy initiative

SYLLABUS

- Earth System:** Geological history; Development and evolution of atmosphere; Atmosphere and climate; Air-sea interaction; Global energy balance; Wind, monsoon and cyclones
- Climate Change and Policies:** Natural climate change; Human impacts on climate; Impacts of climate change; Climate change policies

SUGGESTED READINGS

Atmosphere, Weather and Climate – R.G.Barry, Routledge Press, UK.

The Earth System - L.R. Kump, J.F. Kastaig and R.G. Carne (eds.), Prentice-Hall India P. Ltd., New Delhi.

General Climatology- J.H. Critchfield, Prentice-Hall India, P.Ltd., New Delhi.

Climate and Global Climate Change – D. Harrey, Prentice-Hall India P. Ltd., New Delhi.