NPTEL Video Course - Atmospheric Science - Introduction to Atmospheric Science

Subject Co-ordinator - Prof. C. Balaji

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Clausius Clapeyron relation (Continued...)
Lecture 31 - Atmospheric radiation â Radiation laws
Lecture 32 - Planck's distribution and Inverse square law
Lecture 33 - Physics of scattering, emmision and absorption
Lecture 34 - Physics of scattering, emmision and absorption (Continued...)
Lecture 35 - Radiative Transfer Equation â Derivation
Lecture 36 - Radiative Transfer Equation (Continued...)
Lecture 37 - Radiative heating profiles of the atmosphere
Lecture 38 - Climate Dynamics â Introduction
Lecture 39 - Climate sensitivity and feedback
Lecture 40 - Climate change
Lecture 41 - Atmospheric dynamics

NPTEL Video Course - Atmospheric Science - Radiation Heat Transfer

Subject Co-ordinator - Prof. J. Srinivasan

Co-ordinating Institute - IISc - Bangalore

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

NPTEL Video Course - Atmospheric Science - The monsoon and its variability

Subject Co-ordinator - Prof. Sulochana Gadgil

Co-ordinating Institute - IISc - Bangalore

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Indian Ocean and the monsoon - Part 1
Lecture 31 - Indian Ocean and the monsoon - Part 2
Lecture 32 - Indian Ocean Dipole - Part 1
Lecture 33 - Indian Ocean Dipole - Part 2
Lecture 34 - Interannual variation of the Indian summer Monsoon rainfall
Lecture 35 - Monsoon Variability and Agriculture - Part 1
Lecture 36 - Monsoon Variability and Agriculture - Part 2
Lecture 37 - Monsoon Variability and Agriculture - Part 3
Lecture 38 - Monsoon Variability and Agriculture - Part 4
Lecture 39 - Indian Summer Monsoon, GDP and Agriculture
Lecture 40 - Monsoon Prediction - Part 1
Lecture 41 - Monsoon Prediction - Part 2
Lecture 42 - Concluding Remarks