

REFRESHER COURSE ON PHYSICS OF THE ATMOSPHERE

sponsored by

Indian Academy of Sciences, Bangalore

in collaboration with

Indian Meteorological Society – Bangalore Chapter

14–25 November 2005

at Bangalore University and Centre for Atmospheric and Oceanic Sciences, IISc, Bangalore.

A Refresher Course on Physics of the Atmosphere for college/university teachers will be held at Bangalore University and Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore for a two week period during 14–25 November 2005.

The atmosphere-ocean system is a natural laboratory where complex interactions between many scales of motion lead to weather and climate. The complexity of these interactions makes accurate prediction of weather and climate a challenging task. Keeping in mind the increasing demand on accurate prediction of weather and climate and the challenge involved in delivering this demand, there is great need for a large fraction of academic community to get involved in R&D activity on atmospheric and oceanic sciences. With this background, many universities are presently introducing Atmospheric Science in the academic curriculum. However, in the country only few trained teachers to teach this subject are currently available. At the initiative of the Indian Meteorological Society, Bangalore Chapter, the present course is designed to provide an intense training to teachers from physical sciences for teaching an introductory course in Atmospheric Physics. The course will start with the basic characteristics of some important phenomena in the atmosphere and the ocean and would give an overview of quantitative aspects of dynamics and thermodynamics that provide physical understanding the predictive capability of these phenomena. Observing techniques, diagnosis of global observations and development of three dimensional global models for weather and climate predictions will be discussed. Some recent developments in the field will also be highlighted as special lectures. The course will consist of about 3 hours of lectures and about 3 hours of practicals on problem solving and demonstrations every day.

Teachers with physical sciences background, wishing to participate in the course may send their application on plain paper with the following details: name, date of birth, e-mail, postal and residential address, telephone numbers, academic qualifications starting from B.Sc. onwards, teaching experience, courses taught, positions held and a statement indicating reasons for interest in participating in the course. Teachers applying for participation are also requested to indicate that necessary leave for participation would be available from the parent institute.

Selected teachers will be provided local hospitality and round trip actuals of bus fare/ train fare (1 class or 3-tier AC).

The applications may be sent to:

The Course Coordinator
Refresher Course on Physics of the Atmosphere
Centre for Atmospheric and Oceanic Sciences
Indian Institute of Science
Bangalore 560 012
Tel: 080-2293 3067, Fax: 080-2360 0865
E-mail: chairman@caos.iisc.ernet.in

Last date for receipt of application: **31 August 2005**