



REFRESHER COURSE ON PHYSICS OF THE ATMOSPHERE AND THE OCEAN

sponsored by
INDIAN ACADEMY OF SCIENCES, BANGALORE

at
The Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore
(1–12 December 2003)

A Refresher Course on Physics of the Atmosphere and the Ocean for college/university teachers will be held at the Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore for a two-week period during 1–12 December 2003.

Atmospheric and oceanic sciences have evolved into highly quantitative fields of science, that involve complex interactions between different scales of motion leading to weather and climate. The course will start with a description of selected phenomena in the atmosphere and the ocean. It will then give an overview of dynamics and thermodynamics that provide physical understanding and predictive capability of these phenomena. Observing techniques, global observations and three-dimensional global models for weather and climate predictions will be discussed. Some recent developments in the field will also be highlighted. The participants will also be introduced to web-based teaching resources. The course will consist of about three hours of lectures and about three hours of practicals on problem-solving and demonstrations every day.

For teachers who teach atmospheric and oceanic sciences, the course will provide a modern outlook on teaching the subject. For those who teach physics and mathematics, the course will provide an introduction to a new, complex and challenging area with high application potential.

Teachers with background in physical science, atmospheric science or oceanic science may send their application on plain paper with the following details: name, date of birth, postal address, residential address, e-mail, telephone numbers, academic qualifications starting from B.Sc. onward, 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.

Applications may be sent to:

Course Coordinator,
Refresher Course on Physics of the Atmosphere and the Ocean,
Centre for Atmospheric and Oceanic Sciences,
Indian Institute of Science,
Bangalore 560 012.

Telephone: (080) 360 0450; Fax: (080) 360 0865; Email: chairman@caos.iisc.ernet.in

Preference will be given to teachers below 45 years of age. Selected participants will be provided local hospitality and train travel (AC three tier) from the place of duty to Bangalore and back by the shortest route.

Last date for receipt of applications: 31 August 2003.