Faculty of Sciences

PHY1365   Meteorology

[37.5h+22.5h exercises] 5 credits

Teacher(s):   André Berger, Thierry Fichefet, Jean-Pascal van Ypersele de Strihou
Language: French
Level: First cycle

Aims

To acquire the basic notions of meteorology needed to understand the main atmospheric phenomena and weather forecasting as well as some additional training in climatology.

Main themes

General characteristics of the atmosphere; thermodynamics of dry air and moist air; static stability of the atmosphere; atmospheric dynamics; atmospheric heat gains and losses; large-scale atmospheric mean flows; air masses, fronts and synoptic weather systems; weather forecasting; regional climatic processes; climate changes.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisite: BIR 1333 Bioclimatology [15; 7.5] (2 credits).
Reference book: Triplet, J.P. et G. Roche, Météorologie générale, Météo-France, Trappes, 317 pp., 1996.

Other credits in programs

FSA13BA	Troisième année de bachelier en sciences de l'ingénieur, orientation ingénieur civil	(5 credits)
GEOG13BA	Troisième année de bachelier en sciences géographiques	(5 credits)