

Eumetcal Aviation Course

A full scale pilot

LOCATION: Ecole Nationale de la Météorologie, Météo-France, Toulouse

NUMBER OF VACANCIES: 15, with 5 students minimum to carry out the course

DATES: 5 February to 30 March 2007

5 February to 23 March: total 3 hours per week distance learning with 1 hour of online lessons and 2 hours of self-study weekly

26 to 30 March: classroom training session in Toulouse (~30 hours total)

DURATION: 8 weeks; roughly 51 hours of training

REGISTRATION FEE: 800 EUR excluding accommodation and travel

Price for accommodation at the ENM: 9€/night

Meals: breakfast 2€, lunch and dinner 4€

CLOSING DATE FOR APPLICATIONS: 10th December 2006

OBJECTIVES

- Update and deepen general knowledge in aviation and practical knowledge in meteorology needed for aeronautical forecasting, particularly the awareness of significant weather phenomena for aeronautics
- Demonstrate a new blended learning approach to training
- Further develop the design and content of the course with the contributions of the participants

TARGET AUDIENCE

Meteorologist personnel or equivalent involved in forecasting or meteorological services for the world of aeronautics. This first session is especially designed for attendees who already have experience in aviation meteorology.

PREREQUISITES

- Knowledge of general and aviation meteorology
- Good proficiency in the English language
- Well established personal motivation to participate in new training and communication developments

CONTENTS OF THE COURSE

1. Basics of pertinent aviation domains, i.e. flight mechanics, air regulations (airspace, flight rules, operating minima), navigation principles, aircraft and airport operations
2. Significant weather phenomena and aviation
 - 2.1. Poor visibility
 - 2.2. Aircraft icing
 - 2.3. Turbulence, wind shear
 - 2.4. Thunderstorm and hail
 - 2.5. Jets
3. Flight planning and flight operations: effects of meteorological parameters on aircraft performances, effects of meteorological phenomena on operations.
4. Synoptic review of regulation and codes of international organisations and ICAO recommendations.
5. Training aviation meteorology diagnoses: case studies, real time situations, etc.