

Announcing the First MSC Introductory Radar Course

Introduction

The 1st MSC Introductory Radar Course will run from January 20 to April 22, 2010.

The goal of the course is to extend the use of weather radar so that its full capabilities can be applied to the weather problem of the day. It will also create a baseline from which further advanced radar training will begin.

Target Audience

Operational meteorologists from across Canada and Europe

Topics

- Scan strategies and basic products
- Interpretation issues
- Non-meteorological returns
- Basic Doppler interpretation
- Radar Algorithms
- Warm fronts, one phase
- Mixed phase situations
- Cold fronts
- Deep Convection
- Shallow precipitation and orography

Prerequisites

Successful completion of the following COMET modules:

- [Principles of Convection I: Buoyancy and CAPE](#)
- [Principles of Convection II: Using Hodographs](#)
- [Principles of Convection III: Shear and Convective Storms](#)

Working knowledge of English

Language

This first course will be run in English with no translation provided. A French language version of the course will be developed after completion of the course.

Course Format

This is a blended learning course combining self-study material, on-line lectures, and a classroom phase. Students will be expected to attend 11 weekly on-line lectures (about an hour long), complete off-line assignments, and a case study in which radar applications play a key role.

The classroom phase will take place from April 19 to 22, 2010 in the Edmonton MOIP classroom and will cover applications of what the students learned through their self-study and on-line lectures using canned and real-time data.

The Instructors

Paul Ford : MOIP Dartmouth
Michael Leduc: COMET
Phil Chadwick: COMET
Dr. Paul Joe: Coastal and Mountain Lab
Dr. Elena Saltikoff: Finnish Meteorological Institute
James Cummine: Prairie and Arctic Storm Prediction Centre – Winnipeg
Pierre Vaillancourt: Quebec Storm Prediction Centre
Dave Patrick: Hydrology and Arctic Lab - Winnipeg

Facilitator

David Ball: Associate STT - Winnipeg

Applications

Please send applications by e-mail to:

David Ball (Dave.Ball@ec.gc.ca)

Application deadline 01 December, 2009

Students selected by 11 December, 2009

Participants selected, information on selection sent by 18 December, 2009

Minimum amount of students required: 12

Maximum amount of students allowed: 20

Dates and duration

Course start date: **20 January, 2010**

The students are requested to reserve the whole day for the course activities. On-line sessions have been scheduled on Wednesdays to avoid any problems with holidays. No attempt has been made to schedule time off for spring break as

it occurs at different times in different provinces. The on-line sessions are scheduled for the following dates (all in 2010):

- January 27
- February 3
- February 10
- February 17
- February 24
- March 3
- March 10
- March 17
- March 24
- March 31
- April 7

The on-line lectures will start always start at 16Z to accommodate time-zones as widely separated as Canada's B.C. coast and Eastern Europe. Because of the different start times of Daylight Savings Time in Canada and Europe no adjustment has been made for time change in the spring.

Self-study: 5 days or 37.5 hours

Distance phase: 11 hours of online learning, 12 hours of offline assignments, and 24 hours of case-study development (6.25 days or 47 hours)

Classroom phase: Monday April 19 to Thursday April 22 (4 days or 30 hours)

Course end date: Thursday April 22, 2010

Total

114.5 hours of training

Tuition

No tuition will be charged