

Basic Meteorological and Climatological Understanding Course

On the 1st September 2017, the Regional Training Centre (RTC) will, once again, be presenting the one-day Basic Meteorological Understanding course at Bolepi House.

The objective of the course is to facilitate an understanding of basic meteorological concepts for persons without a background or limited knowledge in meteorology, and serves as background for understanding atmospheric processes and interpreting weather systems in the Southern Hemisphere. It is especially recommended for non-scientific personnel of the SAWS.

The course will cover the following topics:

1. Basic Meteorological and climatological understanding

This will enable the participant to understand:

- the atmospheric behavior on a rotating globe
- the different atmospheric forces
- the structure and composition of the atmosphere
- the basic meteorological concepts (i.e. wind, temperature, pressure, moisture)
- the characteristic circulation (i.e. around a low and high pressure systems in the troposphere)
- the different weather systems, and to
- the different clouds and precipitation associated with them

2. Different types of instruments and various weather data collection tools

This will enable the participant to:

- Understand how meteorological data is collected (Including the use of satellite & RADAR imagery, Automatic Weather Station, etc.)
- Understand how data is used for the compilation of a weather forecast.

3. Interpretation of the SAWS products

This will enable the participant to:

- Know the products available from the SAWS,
- Interpret the weather forecast issued by the Weather Service
- Be able to understand and identify weather hazards

The course will be held over one day only (Friday the 1st September 2017) from 08:00 until 15:00. Although it is especially recommended for non-scientific personnel of the SAWS, for persons outside of the organization, the course is available at a nominal cost of R200.00 (payable on, or before the commencement of the course).

If there are more than 10 persons from outside the organization, other arrangements will be made for them.

Course participants will be provided with course materials (Presentations used), as well as morning and afternoon tea.

If you would like to attend the course, please respond via email with your name and contact details to Gugu Maphisa (e-mail: gugu.maphisa@weathersa.co.za and phone number: 012 367 6085) as soon as possible as space is limited.

Greetings

Dr Winifred Jordaan

Head of the RTC and CoE
Acting SM: HCD
South African Weather Service
442 Rigel Avenue South
Erasmusrand
Pretoria
Private Bag X097
Pretoria
0001
Tel: +27 12 367 6016
Fax: +27 12 367 6316
Email: Winifred.jordaan@weathersa.co.za

*“Creating a weather-smart nation – Innovating, Adapting and Facing the **Future** together”*