New Learning Outcomes for Meteorology & Climate Science: Feb 23, 2011

BS Meteorology

1. Be able to read and interpret various meteorological diagrams, and develop and present a short-to-medium-term forecast with considerable skill.

2. Be able to explain meteorological phenomena at various scales in terms of basic physical and dynamic processes, including radiative forcing, thermodynamics, microphysics, and dynamics.

3. Know the design and use of meteorological instruments, and techniques for collecting and interpreting the data.

4. Be able to explain current climate in terms of basic physical and dynamical processes, and explain the mechanisms responsible for climate change.

5. Be able to explain ideas and results through written, statistical, graphical, oral and computer-based forms of communication.