

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.*