

Instrumentation and Measurement of Atmospheric Parameters

Online Training Modules

NCAR is sponsored by
National Science Foundation



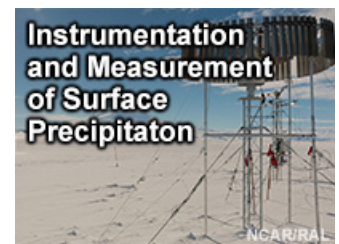
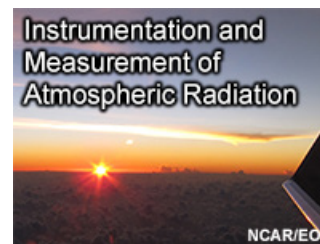
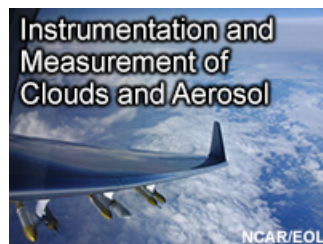
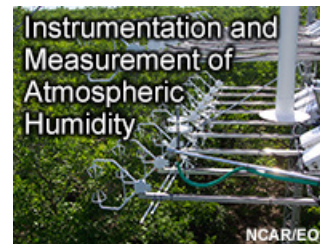
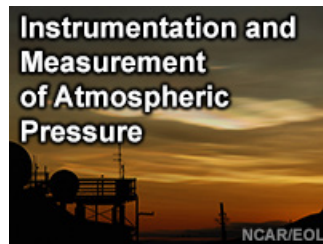
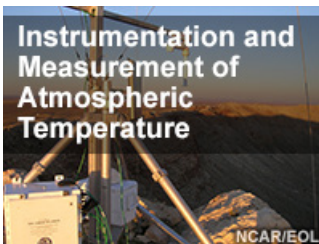
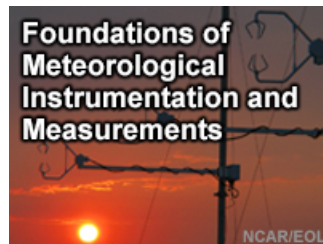
Community Educational Resource

A series of ten meteorological instrumentation and measurement training lessons for undergraduate and graduate education was collaboratively produced by the NCAR Earth Observing Laboratory, Millersville University, and The COMET Program, with funding from the National Science Foundation (Award Nos. 1642735, and 1642643.) The lessons are freely available online and include both English-language and Spanish-language versions.

This course provides approximately 20 hours of atmospheric instrumentation training. The lessons can help with successful instrument siting and data collection for various efforts, including to enhance traditional instruction on topics such as instrument types, measurement techniques, site selection, and measurement uncertainty. A free COMET login is required.

Instructional Elements

- » Include well-planned learning objectives to guide content and assessments.
- » Serve to augment face-to-face instruction in courses for instrumentation, measurement, and observing systems; can also be used in total or in part as content material in other courses and with other delivery formats.
- » Engage the students in forward-thinking measurement techniques and technology by teaching fundamental principles, basic mathematical, engineering underpinnings, and subject area content and context.
- » Include videos, animations, graphics, interactive educational tools, and assessments with scores able to be emailed to instructors.



To access these free lessons, go to
<https://www.meted.ucar.edu/courses/instrumentation>