

Appendix C - Weather Education Resources and Bibliography of Local Weather

Education in person

Most colleges and universities offer courses in basic Meteorology. Many of these are part of the Geography department in a Physical Geography course, which usually contain significant study in weather and climate. In Southern California, the only university to offer a degree in Atmospheric Science is UCLA.

Online Education

Many resources for learning more about weather in general are available online. Here are some of our favorite weather education web sites on the Internet:

Online tutorials

www.srh.noaa.gov/jetstream
[ww2010.atmos.uiuc.edu/\(Gh\)/guides/mtr/home.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/home.rxml)

Disaster Preparedness

www.fema.gov/hazard/index.shtm
emergency training courses: training.fema.gov

General weather basics education

wps.prenhall.com/esm_aguado_uwac_3
www.usatoday.com/weather/resources/basics/wworks0.htm
www.weatherworks.com
eo.ucar.edu/basics/index.html

Advanced weather education

A warehouse of great learning modules: meted.ucar.edu

Interpretation of weather models

meted.ucar.edu/nwp/course/modules.php
weather.unisys.com/model/details.html
www.theweatherprediction.com/models

Weather Books

Numerous books about weather and meteorology are available, including these finest examples:

Understanding Weather and Climate by Edward Aguado and James Burt. This book focuses on explaining, rather than describing, the processes that produce Earth's weather and climate. Companion web site available.

The Audubon Society Field Guide to North American Weather by David M. Ludlum can be

used to identify clouds and other sky phenomena in much the way a field guide to birds is used. The USA TODAY Weather Book by Jack Williams explains the basics of meteorology with easy to understand text and colorful graphics.

Meteorology Today: An Introduction to Weather, Climate, and the Environment by C. Donald Ahrens, is one of the most popular college textbooks. It is designed for students who are not planning to major in meteorology, which means little mathematical knowledge is required.

Meteorology: Understanding the Atmosphere by Steven Ackerman, John A. Knox. A college text written by college professors containing generous graphics and photographs.

The Atmosphere: An Introduction to Meteorology by Frederick K. Lutgens, Edward J. Tarbuck and Dennis Tasa. Using everyday, easy-to-grasp examples to reinforce basic concepts, this highly regarded handbook remains the standard introduction to meteorology and the atmosphere – components, problems, and applications.

Weatherwise is a weather magazine devoted to both professional and amateur weather enthusiasts. See www.weatherwise.org.

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