

<b>Date</b>	<b>Meeting place</b>	<b>Topics</b>
22 September 2015	Karpen Hall 038 UNC Asheville campus 3:30 – 5:30 pm	<ul style="list-style-type: none"> <li>• Review of pre-session weather concepts assessment</li> <li>• Weather tools</li> <li>• Pressure systems</li> <li>• Activities</li> </ul>
1 October 2015	Karpen Hall 038 UNC Asheville campus 3:30 – 5:30 pm	<ul style="list-style-type: none"> <li>• Fronts</li> <li>• Jet streams</li> <li>• El Niño/La Niña</li> <li>• Activities</li> </ul>
10 October 2015	Appalachian Highlands Science Learning Center Purchase Knob – GSMNP Haywood County, NC 9:00 am – 3:00 pm	<ul style="list-style-type: none"> <li>• Weather balloon launch demonstration</li> <li>• Interpretation of weather balloon observation data</li> <li>• Wrap-up</li> </ul>

### **Weather-related Professional Learning Experience**

A short course designed to build a depth of understanding in weather-related scientific concepts that will assist 2<sup>nd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> grade teachers deliver the curriculum. Topics have been chosen based on the responses to a poll of ACS and BCS 2<sup>nd</sup>, 5<sup>th</sup>, and 7<sup>th</sup> grade teachers requesting feedback on the most challenging items defined in the NC essential standards.

#### **Instructor**

Doug Miller  
232-5158

<http://www.atms.unca.edu/dmiller/courses/fall2015.html>  
[dmiller@unca.edu](mailto:dmiller@unca.edu)

#### **Textbook**

There is no required textbook, but many of the visuals used in the lecture packets come from an early edition of “Essentials of Meteorology An Invitation to the Atmosphere” by C. Donald Ahrens.