



NORTHERN ILLINOIS UNIVERSITY

# College of Liberal Arts and Sciences

*Department of Geography*

**Major: Meteorology**

**Degree: B.S.**

**Date Revised: October 2013**

### Student Learning Outcomes and proposed Methods for collecting data (from revised assessment plan)

Student Learning Outcomes		Methods of Assessment
1	Understand the basic characteristics of the atmosphere, its structure, and its dynamics and the role of the earth's surface and oceans in forcing and regulating atmospheric processes.	<ul style="list-style-type: none"> <li>• Pre-/post-test- (1,2)</li> <li>• course projects (1-5)</li> <li>• weather forecast competition (1-5)</li> <li>• research poster(3-5)</li> <li>• independent research project (3-5)</li> <li>• team research project (3-5)</li> <li>• student internship report (1-3)</li> <li>• employer internship report (3-5)</li> <li>• acceptance into graduate program (1,2,4)</li> <li>• alumni advisory committee (5)</li> <li>• 1-year out survey (1,2,5)</li> </ul>
2	Synthesize information from maps and other sources to identify current atmospheric processes, explain weather conditions, and hypothesize near-term expected conditions.	
3	Analyze meteorological/climatological data by mathematical modeling, quantitative, mapping, remote sensing, and laboratory analyses.	
4	Communicate an understanding of weather and climate through oral, graphic, and written means.	
5	Apply meteorological/climatological knowledge and methods to other earth and environmental sciences and to questions of societal significance.	

