ES 106
Introduction to Collecting Weather Data

1. To get started, you and your group will need to go outside to make some weather observations. Make careful weather observations in a period of 5-10 minutes. These observations will be discussed when you return to the classroom. Note the following:
   - *Air Temperature*

   - *Cloud Cover*

   - *Wind Speed*

   - *Wind Direction*

   - *Precipitation*

2. Based on your observations, make a weather forecast for the WOU campus for 2 hours from now. In your forecast, include the following:
   - *Air Temperature*

   - *Cloud Cover*

   - *Wind Speed*

   - *Wind Direction*

   - *Precipitation*

3. Based on your observations from outdoors, make a weather forecast for the WOU campus for 2 weeks from now. In your forecast, include the following:
   - *Air Temperature*

   - *Cloud Cover*

   - *Wind Speed*

   - *Wind Direction*

   - *Precipitation*

Internet Weather Assignment

Choose one 7-day period during the next _____ weeks and collect weather data using one of the listed internet sites **and** by making your own weather observations. Complete the Weather Log on the next page of the lab and answer the questions below. On the weather log, be sure to indicate the location, for which the data is being collected, and the time and date that you collect your weather observations. This assignment is due _____.

Weather related web sites (circle the web site that you relied upon for this assignment):

   http://www.weatherunderground.com
   http://nimbo.wrh.noaa.gov/portland/ (just click observations)
   http://www.weather.gov

Questions:

1. How do your own local weather observations compare to the internet weather data?

2. Evaluate the internet as a resource for gathering weather data. Do you think it provides the best weather information for the average person to use? Explain why you think so.

3. Interpret the weather data for your chosen time period. List and describe the data that you collected that supports the passing of a front or the presence of a high or low pressure system?

4. Find and describe the patterns in your weather data. For example, if the wind blows from a certain direction do we experience a certain kind of weather?

Data Table For Weather Log Assignment

Place	Date/ Time	Wind speed	Wind directi	Temp	Clouds	Air Pressu	Precip	Other observatio
Own:								
Internet:								
Own:								
Internet:								
Own:								
Internet:								
Own:								
Internet:								
Own:								
Internet:								
Own:								
Internet:								
Own:								
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