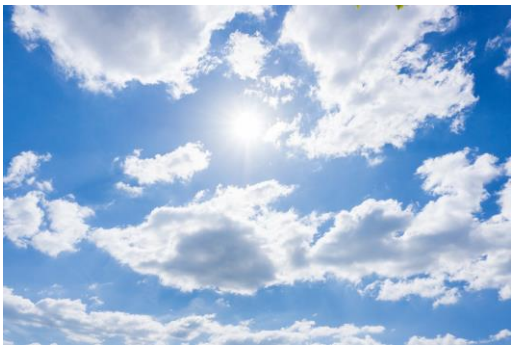
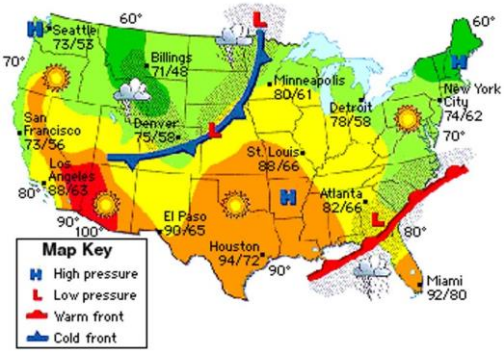
WEATHER 101







WHAT CAN YOU "READ" IN THE SKY?

Learn basic weather reading skills to help the Gardener, Hiker, or outdoor person. Learn to read weather maps, interpret cloud formations, understand our local climate, and gain practical weather knowledge. Taught by a USDA-Graduate School certified Meteorologist and former NOAA/NWS forecaster.

CRN #13597, **Winter term 2027**, Tuition: $69
Date: Thursday evenings (5-sessions); **February 3rd, 10th, 17th, 24th, and March 3rd**; 6:00 pm to 7:50 pm
Where: PCC – Southeast Campus (SE 82nd and Division), *in-person*, SCOM, Room #314
Instructor: Prof. Kyle Dittmer, office (day, VM): 503-731-1314, kyle.dittmer@pcc.edu

TOPICS:
-- Introduction: Overall picture of the atmosphere, Air Masses, energy budget, global heat distribution.
-- Clouds: How do clouds form, types of clouds and their weather significance; Humidity; Precipitation.
-- Atmospheric Motion: Driving/Resisting forces, vertical changes, Cold Fronts, Warm Fronts.
-- Weather Forecasting: How to put together a forecast and evaluate it; Interpreting weather maps.
-- "NWS 101", Invited Special Guest Speaker: staff Meteorologist, NOAA/NWS – Portland Office.
-- Severe Weather: Thunderstorms, Lightning, Tornadoes, Hurricanes, and associated safety measures.
-- Hydrology: water cycle, snowmelt, Water Supply Forecasts, streams, flooding, risk assessment.
-- Climate Science: climatology, climate change & its causes, ENSO (e.g., *El Niño*, *La Niña* events).
-- Practical: Hikers, Travelers, Homeowners, Maritime users, Farmers and Gardeners; Weather education.
-- Specialty Topics: per student interest. 😊

FORMAT:
Lecture format, PowerPoint slideshows, and You-Tube videos. In-class work on weather maps will help students apply specific weather concepts. Students are encouraged to share their views and experiences.

It's easy to register! To register online, go to: http://www.pcc.edu/enroll/registration/non-credit-registration.html/.
You can also register by calling 971-722-8888. You will need to know the 5-digit CRN for the class you want to take.

Portland Community College

You May Be Eligible For a Tax Credit!
Based on the Taxpayer Relief Act of 1997, you may qualify for an educational tax credit. For more information, please contact a tax advisor, call the IRS at 1-800-829-1040 or visit the PCC web site at: www.pcc.edu/enrolling/tax.htm

Portland Community College is an Affirmative Action, Equal Employment Opportunity Institution.
If you have a disability that requires any special materials, services, or assistance, please contact the Office for Students with Disabilities, 503-977-434 I,TTY 503-977-4877, at least 72 hours prior to the first class so we may arrange appropriate accommodations. For general information via TTY, call 503-977-4877.