In this online course, you will take a virtual field trip to the Yellowstone National Park region. You'll learn basic methods for conducting successful geology field work, as well as discussing the amazing geology in the Yellowstone area. The ability to confidently make scientific measurements in a large mapping area is a critical skill for many Earth Science careers. In this class you will learn about field safety & equipment and how to make measurements to create informative maps of large structures such as faults and folds. You will learn about field sample collecting and how to use a Brunton compass, GPS, satellite images, and other field mapping tools. In addition, you will go on a virtual geology tour of Yellowstone, Grand Teton, & Craters of the Moon National Parks, where diverse processes such as geyser activity (How does Old Faithful erupt?), glaciation (history of Teton mountain glaciers), landslides (close-up looks at the deadly Gros Vontre and Hegben Lake landslides), and super-eruptions of the Yellowstone caldera will be observed and discussed.