



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

GEO1110 Physical Geography
3 Semester Credit Hours

Student Learning Outcomes and Enabling Objectives

1. Explain what geographers study.
 - a. Use longitude and latitude to identify locations on the Earth.
 - b. Compare and contrast various types of maps.
 - c. Discuss the impact of geographic technology on humans, including Global Positioning System (GPS) and Global Information Systems (GIS).
2. Examine the Earth's physical origins.
 - a. Describe continental drift, plate tectonics, and mountain formation, including volcanoes.
 - b. Describe the impact of early Earth history and the surface of the Earth today.
 - c. Describe the Earth's spheres, including the atmosphere, lithosphere, biosphere, and hydrosphere.
 - d. Differentiate between sedimentary, metamorphic, and igneous rock.
 - e. Discuss the rock cycle.
3. Compare and contrast Earth's weather and climate systems.
 - a. Discuss how wind, temperature, and moisture form.
 - b. Differentiate between weather and climate.
 - c. Describe how wind, temperature, and moisture impact weather and climate.
 - d. Explore global warming and its impact on Earth.
4. Examine the effects of weathering, erosion, and deposition.
 - a. Describe how wind and rain impact the surface of the Earth.
 - b. Discuss how different glaciers are formed and their impact on the surface of the Earth.
 - c. Describe how rivers are the result of erosion.
 - d. Discuss the relationship among erosion, deposition, soil, and landforms.
 - e. Discuss the weather cycle, including evaporation, condensation, and precipitation.

5. Examine how atmospheric and geologic conditions are associated with detrimental events.
 - a. Discuss how plate tectonics causes earthquakes, tsunamis, and volcanoes.
 - b. Discuss the formation of tropical systems (hurricanes, cyclones, and typhoons), tornados, and blizzards.
 - c. Discuss wild fires, droughts, and floods and their impact on the Earth's surface.

School of Education candidates are advised that they must be guided by the content of the relevant MTTC test objectives for Field 084 Social Studies (Secondary), Field 105 Social Studies (Elementary), and Field 103 Elementary Education.

These SLOs are not approved for experiential credit.

Effective: Fall 2020