Course Number: GEG 112  Credit Hours: 3
Instructor: Charles Carpenter  B.S., M.S.
E-mail: charles.carpenter@doane.edu
Phone: 308-379-9237 (cell) 308-385-5886 (work)

Materials Required:
"Physical Geography, A Landscape Appreciation"; Tenth Edition
Publisher: Pearson Prentice Hall; 2008
ISBN: 9780321677341

Other supplemental materials will be supplied by the instructor as required.

Course Description:
This course describes and explains the physical elements of geography. The topics include elements of weather and climate, vegetation patterns, soil types, volcanism, weathering, mass wasting, and the landforms created by running water, glaciers, waves and wind. Emphasis will be on developing an understanding of the processes that create and control these phenomena.

Course Objectives:
The student will be able to:
1. Compare and contrast the different biogeochemical cycles of energy, water, and nutrients that link the biosphere with the atmosphere, hydrosphere and lithosphere.
2. Analyze the most important characteristics and adaptations of plants and animals to constraints in the natural environment.
3. Analyze relationships between biome and climatic patterns such as temperature and precipitation.
4. Evaluate the characteristics, development and distribution of soils around the world.
5. Analyze the relationship between climate and soil types.
6. Compare and contrast three basic types of activities: weathering, mass wasting and erosion.
7. Evaluate the erosional agents (water, ice, waves, wind) and resulting landforms.

Class Attendance:
Attending classes is imperative. A portion of your grade will be based on attendance in the form of participation points. If you miss a class, you are expected to complete all work and gather notes.
Course Requirements:

1. **Class Participation/Attendance (worth 10% of the course grade).** This is determined by the number of times you are present and by your contributions during class and discussion.

2. **Projects/Papers (worth 30% of the course grade).** This part of the course grade will involve research and writing a paper on such topics as:
   - biomes
   - soils of the world
   - physiographical provinces
   - types of climates
   - types of weathering
   - the role of water in shaping the landscapes

3. **Team Assignments (worth 30% of the course grade).** These assignments will center around some type of class activity. You will work on these with a partner; these may include assessments.

4. **Individual Tests (worth 30% of the course grade).** These tests will be completed on your own.