

GEOG-110: PHYSICAL GEOGRAPHY

Effective Term

Fall 2019

BOT Approval

06/01/2019

SECTION A - Course Data Elements
CB04 Credit Status

Credit - Degree Applicable

Discipline

Minimum Qualifications	And/Or
Geography (Master's Degree)	Or
Earth Science (Master's Degree)	

Subject Code

GEOG - Geography

Course Number

110

Department

Geography

Division

Science and Engineering (SE)

Full Course Title

Physical Geography

Short Title

Physical Geography

CB03 TOP Code

2206.00 - Geography

CB08 Basic Skills Status

NBS - Not Basic Skills

CB09 SAM Code

E - Non-Occupational

Rationale

Discipline expert change/addition. Text update.

SECTION B - Course Description
Catalog Course Description

A basic geography course emphasizing physical elements of the human environment. The course includes earth-sun relationships, maps, global time, land forms, oceans, soils, natural vegetation, weather, and climatic regions of the world.

SECTION C - Conditions on Enrollment
Open Entry/Open Exit

No

Repeatability

Not Repeatable

Grading Options

Letter Grade or Pass/No Pass

Allow Audit

Yes

Requisites**SECTION D - Course Standards****Is this course variable unit?**

No

Units

3.00

Lecture Hours

54.00

Outside of Class Hours

108

Total Contact Hours

54

Total Student Hours

162

Distance Education Approval**Is this course offered through Distance Education?**

Yes

Online Delivery Methods

DE Modalities	Permanent or Emergency Only?
Entirely Online	Permanent
Hybrid	Permanent
Online with Proctored Exams	Permanent

SECTION E - Course Content**Student Learning Outcomes**

Upon satisfactory completion of the course, students will be able to:	
1.	Identify and discuss the different spheres of the earth.
2.	Explain the Koeppen climate classification system.
3.	Describe the major physiographic divisions of the United States.

Course Objectives

Upon satisfactory completion of the course, students will be able to:	
1.	Understand and apply the scientific method to geographic problem solving.
2.	Examine the physical elements of the human behavior.
3.	Describe basic earth-sun relationships that control time, seasons, daylight hours, and coordinate systems.
4.	Compare and contrast the limitations and advantages of map projections and globes.
5.	Describe and evaluate map scale, directions, and contours.
6.	Question basic categories of earth materials humans encounter.
7.	List and describe the effect on humans of primary landforms due to internal earth processes such as volcanism and deformation of the earth's crust.

- | | |
|-----|--|
| 8. | List and describe the effect on humans of secondary landforms due to internal earth processes such as running water, moving ice, and wind. |
| 9. | Inspect different coastlines and describe their effect on human habitat. |
| 10. | Describe the various resources of the sea. |
| 11. | Diagram ocean currents and tides and describe their effect on humans. |
| 12. | Define, explain and describe elements and controls of weather and climate and their effect on humans. |
| 13. | Compare and contrast elements of soil and describe soil-forming processes related to climate and identify. |
| 14. | Discriminate between basic vegetative associations and describe the effect of natural vegetation on humans. |
| 15. | Inspect the characteristics of climatic regions of the world using Climo graphs. |

Course Content

1. Place geography - Locate countries, cities currently important in the news.
2. Size and shape of the earth; latitude and longitude, hours of daylight; seasons; global time.
3. Maps and globes, map projectors, analyzing map projections
4. Essentials of Maps - Legend symbols, directions, scale, title, township and range grid system, contours
5. Introduction to Landforms and basic earth materials
6. Deformation of the earth's crust - fold and fault landforms
7. Igneous activity and volcanic landforms
8. Weathering and Masswasting
9. Landforms due to running water - river and streams:
 - a. Humid regions
 - b. Arid regions
10. Landforms due to wind - dune and deflation basins
11. Glacial landforms
12. Groundwater and its subtle landforms
13. Landforms made by waves and currents - coastlines
14. Sea floor topography and islands, marine resources
15. Tides and currents
16. The Atmosphere and Elements of Weather:
 - a. Temperature
 - b. Pressure and wind
 - c. Moisture: humidity, condensation, and precipitation
17. Global Weather controls and phenomena:
 - a. Air masses
 - b. Fronts
 - c. Storms
18. Soil
 - a. Importance and Elements of Soil Soil-Forming processes, soil profiles and Great Soil Groups of the World (classification)
19. Vegetative Association and Plant Physiognomy
 - a. Classification of Vegetative associations and Natural Vegetation of the World
20. Climate Classification
21. Climate regions of the World. Tropical, Subtropical, Temperature Mid-Latitude, Frigid High Latitude

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Lecture	

Online Adaptation

Types	Examples of learning activities
Activity	
Directed Study	
Discussion	
Group Work	

Individualized Instruction

Journal

Lecture

Instructor-Initiated Online Contact Types

Announcements/Bulletin Boards

Chat Rooms

Discussion Boards

E-mail Communication

Telephone Conversations

Video or Teleconferencing

Student-Initiated Online Contact Types

Chat Rooms

Discussions

Group Work

Course design is accessible

Yes

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
Exams/Tests	Lecture Exams: Three plus a comprehensive Final Exam. Lecture examinations will consist of objective questions in a variety of formats including short answer, multiple choice and essay questions. Typical topics will include the Atmosphere, Air Masses and Storms and Plate Tectonics.
Quizzes	Quizzes are short examinations covering both lecture material and current homework exercises.
Homework	These assignments include the explanation of weathering and questions about Climatic Regions.

Assignments

Reading Assignments

Selected readings from the required textbook.

For example:

1. Read chapter 3, Atmospheric Energy and Global Temperatures, covering the causes of weather and climate.
2. Read chapter 10, Weathering, Karst Landscapes and Mass Movement, and summarize the role of water and particle size in mass wasting.

Writing Assignments

Writing assignments will be graded on scientific accuracy, organization and correct use of English grammar and spelling.

For example:

1. Physiographic divisions of the United States problem set.
2. Weather classification systems problem set.

Outside-of-Class Assignments

The students are assigned a semester long project that involves writing a report about their visit to a local museum or chosen field location.

SECTION F - Textbooks and Instructional Materials

Material Type

Textbook

Author

Christopherson, R. W.

Title

Elemental Geosystems

Edition/Version

7th

Publisher

Pearson

Year

2012

Material Type

Textbook

Author

Hess, D., Tasa, D.

Title

Physical Geography

Edition/Version

12th

Publisher

Pearson

Year

2016

SECTION G - Diversity, Equity and Inclusivity**Course Codes (Admin Only)****CB00 State ID**

CCC000207271

CB10 Cooperative Work Experience Status

N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status

Y - Credit Course

CB13 Special Class Status

N - The Course is Not an Approved Special Class

CB23 Funding Agency Category

Y - Not Applicable (Funding Not Used)

CB24 Program Course Status

Program Applicable

Allow Pass/No Pass

Yes

Only Pass/No Pass

No