GEOG 110 - Physical Geography Course Outline

Approval Date: 02/13/2019
Effective Date: 06/01/2019

SECTION A

Unique ID Number	CCC000207271
Discipline(s)	Earth Science Geography
Division	Science and Engineering
Subject Area	Geography
Subject Code	GEOG
Course Number	110
Course Title	Physical Geography
TOP Code/SAM Code	2206.00 - Geography / E - Non-Occupational
Rationale for adding this course to the curriculum	Discipline expert change/addition. Text update.
Units	3
Cross List	*N/A*
Typical Course Weeks	18

Total Instructional Hours

	Contact Hours
Lecture	54.00
Lab	0.00
Activity	0.00
Work Experience	0.00
Outside of Class Hours	108.00

Total Contact Hours	54
Total Student Hours	162
Open Entry/Open Exit	No
Maximum Enrollment	24
Grading Option	Letter Grade or P/NP
Distance Education Mode of Instruction	Hybrid

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog 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.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s): *None*

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

A. Identify and discuss the different spheres of the earth.
B. Explain the Koeppen climate classification system.
C. Describe the major physiographic divisions of the United States.

2. Course Objectives: Upon completion of this course, the student will be able to:

A. Understand and apply the scientific method to geographic problem solving.
B. Examine the physical elements of the human behavior.
C. Describe basic earth-sun relationships that control time, seasons, daylight hours, and coordinate systems.
D. Compare and contrast the limitations and advantages of map projections and globes.
E. Describe and evaluate map scale, directions, and contours.
F. Question basic categories of earth materials humans encounter.
G. 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.
H. List and describe the effect on humans of secondary landforms due to internal earth processes such as running water, moving ice, and wind.
I. Inspect different coastlines and describe their effect on human habitat.
J. Describe the various resources of the sea.
K. Diagram ocean currents and tides and describe their effect on humans.
L. Define, explain and describe elements and controls of weather and climate and their effect on humans.
M. Compare and contrast elements of soil and describe soil-forming processes related to climate and identify.
N. Discriminate between basic vegetative associations and describe the effect of natural vegetation on humans.
O. Inspect the characteristics of climatic regions of the world using climographs.

A. Place geography - Locate countries, cities currently important in the news
B. Size and shape of the earth; latitude and longitude, hours of daylight; seasons; global time.
C. Maps and globes, map projectors, analyzing map projections
D. Essentials of Maps - Legend symbols, directions, scale, title, township and range grid system, contours
E. Introduction to Landforms and basic earth materials
F. Deformation of the earth's crust - fold and fault landforms
G. Igneous activity and volcanic landforms
H. Weathering and Masswasting
a. Landforms due to running water - river and streams:
    a. Humid regions
    b. Arid regions
J. Landforms due to wind - dune and deflation basins
K. Glacial landforms
L. Groundwater and its subtle landforms
M. Landforms made by waves and currents - coastlines
N. Sea floor topography and islands, marine resources
O. Tides and currents

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