

GEOG101 : Physical Geography

General Information

Author:	<ul style="list-style-type: none">Michelle StonisReed, Michael
Course Code (CB01) :	GEOG101
Course Title (CB02) :	Physical Geography
Department:	GEOG
Proposal Start:	Fall 2025
TOP Code (CB03) :	(2206.00) Geography
CIP Code:	(45.0701) Geography.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	Yes
Course Control Number (CB00) :	CCC000225960
Curriculum Committee Approval Date:	11/27/2024
Board of Trustees Approval Date:	01/21/2025
Last Cyclical Review Date:	11/27/2024
Course Description and Course Note:	GEOG 101 is a spatial study of the Earth's dynamic physical systems and processes. Students examine Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is placed on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Students also briefly cover tools of geographic inquiry, which may include maps, remote sensing, Geographic Information Systems (GIS), and Global Positioning Systems (GPS).
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	<ul style="list-style-type: none">In-PersonRemoteHybridOnline
Author:	No value
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Geography
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

IGETC Area

5A-Physical Science

Area

Physical Science

Status

Approved

Approval Date

09/09/1991

Comparable Course

No Comparable Course defined.

CSU GE-Breadth Area

B1-Physical Science

Area

Physical Science

Status

Approved

Approval Date

No value

Comparable Course

No Comparable Course defined.

C-ID

GEOG

Area

Geography

Status

Approved

Approval Date

09/03/2013

Comparable Course

GEOG 110 - Introduction to Physical Geography

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	54
Total Course Out-of-Class Hours	108
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

 Variable Credit Course**Funding Agency Category (CB23)**

Not Applicable.

 Cooperative Work Experience Education Status (CB10)
Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours**Course Duration (Weeks)** 18**Hours per unit divisor** 54**Course In-Class (Contact) Hours**

Lecture 54

Laboratory 0

Studio 0

Total 54**Course Out-of-Class Hours**

Lecture 108

Laboratory 0

Studio 0

Total 108**Time Commitment Notes for Students**

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Prerequisites, Corequisites, Recommended Corequisites, and Recommended Preparation**Advisory**

ENGLC1000 - Academic Reading and Writing (in-development)

Objectives

- Analyze stylistic choices in their own writing and the writing of others.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.
- Integrate the ideas of others through paraphrasing, summarizing, and quoting without plagiarism.

- Find, evaluate, analyze, and interpret primary and secondary sources, incorporating them into written essays using appropriate documentation format.
- Proofread and edit essays for presentation so they exhibit no disruptive errors in English grammar, usage, or punctuation.

Entry Standards

Entry Standards	Description
No value	No value

Course Limitations

Cross Listed or Equivalent Course	Description
No value	No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
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Methods of Instruction	Discussion
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Methods of Instruction	Multimedia
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Methods of Instruction	Field Activites (Trips)
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Methods of Instruction	Presentations
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Out of Class Assignments

- Creating content in preparation for in-class group presentations (e.g., create a PowerPoint presentation on Los Angeles weather)
- Research and writing assignment addressing a topic relative to the course content (e.g., an essay explaining the impacts of climate change)
- Online lessons completed with approved LMS (e.g., online lessons on atmospheric layers)

Methods of Evaluation	Rationale
Exam/Quiz/Test	Unit quizzes and exams
Exam/Quiz/Test	Midterm exam
Report	Research paper (e.g., paper exploring the effects of climate change on Los Angeles)
Presentation (group or individual)	Student presentations (e.g., group presentation on local weather observations)
Project/Portfolio	Student projects (e.g., research poster on post-fire debris flows)
Other	Online assignments (e.g., online lesson on earth's atmospheric layers)
Exam/Quiz/Test	Final exam

Textbook Rationale
No Value

Textbooks				
Author	Title	Publisher	Date	ISBN
Darrel Hess and Redina Finch	McKnight's Physical Geography (13th edition)	Upper Saddle River: Prentice Hall	2021	9780135800256

Other Instructional Materials (i.e. OER, handouts)
No Value

Learning Outcomes
Course Objectives
Identify the importance of solar energy to the earth system and its resulting effects on weather, climate, hydrology, and other external earth processes.
Assess the complex interactions between the atmosphere, hydrosphere, biosphere, and lithosphere.
Describe the interaction between human activities and these earth spheres.
Explain the earth's place in space and the complex interactions between the earth and sun.
Evaluate the functions of the atmosphere, hydrosphere, biosphere, and lithosphere including internal and external earth processes and their impact on landforms.

SLOs

Differentiate between the complex interactions among the atmosphere, hydrosphere, biosphere, and lithosphere Expected Outcome Performance: 70.0

ILOs
Core ILOs Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

GEOG
Geography -
AA-T Analyze, describe, and evaluate the interconnections between our people and place, as well as those between nature and society.

ILOs
General
Education examine causality or associations between or among variables of the natural world

Critically assess the impact of human activities upon these earth spheres including climate change Expected Outcome Performance: 70.0

ILOs
Core ILOs Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

GEOG
Geography -
AA-T Analyze, describe, and evaluate the interconnections between our people and place, as well as those between nature and society.

SOC S
Social Sciences Demonstrate critical thinking skills and a basic understanding of the complex interrelationships between human kind and the biophysical environment

Developed a broad and critical understanding of the complex interconnections between the human and environmental forces in their world

ILOs
General
Education analyze, interpret, and present research evidence

apply reasoning to evaluate hypotheses and theories

examine causality or associations between or among variables of the natural world

Explain the spatial aspects of the world's biophysical environment Expected Outcome Performance: 70.0

GEOG
Geography -
AA-T Analyze, describe, and evaluate the interconnections between our people and place, as well as those between nature and society.

ILOs
Core ILOs Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.

ILOs
General
Education apply reasoning to evaluate hypotheses and theories

examine causality or associations between or among variables of the natural world

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Introduction to Geography (1 hour)

- The nature of geography
- The geographical viewpoint

Earth-Sun Relationships (3 hours)

- Earth's place in space and geometry
- The motions and positions of the earth in space
- Revolution
- Rotation
- Orientation in space
- The seasons
- Solstices
- Equinoxes
- Latitude, Longitude and Time Zones

The Geographical Aspects of Weather and Climate (18 hours)

- The composition of the atmosphere
- The structure of the atmosphere
- The elements of weather • Solar radiation
- The nature of solar radiation
- The reception of solar radiation at the outer boundary of the Earth's atmosphere
- The passage of solar radiation through the earth's surface
- The reception of solar radiation at the earth's surface
- The geographical distribution of solar radiation at the earth's surface
- Air temperature
- The absorption of terrestrial radiation in the Earth's atmosphere
- The greenhouse effect
- The geographical distribution of air temperature
- Atmospheric moisture and precipitation
- The phases of water
- Humidity
- Condensation processes
- Precipitation processes
- The geographical distribution of precipitation
- Atmospheric pressure and wind
- Geographical distribution of pressure
- Relation of wind to pressure
- The earth's surface winds
- Local winds
- Air masses and cyclonic storms
- Air masses and fronts
- Atmospheric disturbances

The Geographical Aspects of Climate (6 hours)

- The modified Köppen classification of climate
- Tropical climates
- Dry climates
- Mesothermal climates

- Microthermal climates
- Polar climates
- Highland climates

Natural Vegetation and Characteristic Fauna (4 hours)

- Controls on vegetation and fauna
- The world's major biomes
- Geographical distribution of biomes
- Some key historical migrations of fauna

The Geographical Aspect of Soil (2 hours)

- Factors of soil formation
- Characteristics of soil
- Soil classes
- Geographical distribution of soils

The Geographical Aspects of Landforms (20 hours)

- The internal structure of the earth
- Plate tectonics
- Endogeneous energy in the creation of landforms
- Diastrophism
- Plate tectonics
- Exogeneous energy in the creation of landforms
- Weathering of rock
- Gradation of running water
- Gradation by glaciers
- Gradation by ocean waves
- Gradation by wind
- Gradation by mass wasting

Total Hours 54

Additional Information

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Is it possible this course will have a material fee?

No Value

I have contacted my library liaison (<https://campusguides.glendale.edu/faculty/liaisons>):

No Value

What term(s) will this course be offered?

No Value

Will any additional resources be needed for this course? (Click all that apply)

No Value

If additional resources are needed, add a brief description and cost in the box provided.

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value