GEOG 1503L - Physical Geography Laboratory

Fall 2026 Syllabus, Section 01, CRN 41505,

Credit hours: 1

Instructor

Danielle Lewis

Email: dllewis02@ysu.edu

Public Instructor Information

Part-time Teaching Faculty

Professional Qualifications:
B.A. in Geography, Indiana University of Pennsylvania (IUP)
M.S. in Sustainability Science, Chatham University

Course Description

1503L. Physical Geography Laboratory. Observation, collection and analysis of data pertaining to the Earth's weather and climate, surface landforms, drainage systems, soils, vegetation and changing global environmental conditions. In-class labs, local field excursions, and web-based assignments enable students to investigate these phenomena using the scientific method. The class meets two hours each week. Optional lab to accompany GEOG 1503. Prereq.: GEOG 1503 or concurrent with GEOG 1503. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	McKnight's Physical Geography: A Landscape Appreciation, latest Edition	Hess, Darrel, and Dennis Tasa	9780134195421

Course Materials:

-Hess, Darrel, and Dennis Tasa, McKnight's Physical Geography: A Landscape Appreciation, latest Edition, New Jersey: Prentice Hall

-laptop or computer with internet

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 0: Basic Elements (Extra Credit); Lab 1: Maps and Mapping	Lab 0/Syllabus Quiz; Lab 1 Quiz; Lab 0 & 1
8/31	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 2: Mapping and Geographic Tools	Lab 2 Quiz and Lab 2
9/7	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 3: Atmospheric Disturbances	Lab 3 Quiz; Lab 3
9/14	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 4: Atmospheric and Oceanic Circulation	Lab 4 Quiz; Lab 4

9/21	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 5: Weather Data; Lab 6: Weather Systems	Lab 5 Quiz; Lab 6 Quiz; Lab 5 & 6
9/28	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 7: Climate	Lab 7 Quiz; Lab 7
10/5	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 8: Soils	Lab 8 Quiz; Lab 8
10/12	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 9: Biomes and Ecological Units	Lab 9 Quiz; Lab 9
10/19	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 10: Landscape Analysis	Lab 10 Quiz; Lab 10
10/26	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 11: Drainage Pattern Analysis	Lab 11 Quiz; Lab 11
11/2	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 12: Plate Tectonics and Volcanism	Lab 12 Quiz; Lab 12
11/9	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 13: Glaciation	Lab 13 Quiz; Lab 13
11/16	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 14: Biodiversity	Lab 14 Quiz; Lab 14
11/23	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 15: Coastal Processes	Lab 15 Quiz; Lab 15
11/30	Review all videos, websites, maps, and attached articles before beginning your work.	Lab 16: Desert Landforms	Lab 16 Quiz; Lab 16
12/7	Review course materials and previous laboratory activities.	Final Exam	Final Exam TBA

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.