

UNIVERSITY OF LOUISVILLE

GEOS 200 Global Environment Sample Course Outline Panama Program

Textbook:

Robert W. Christopherson: Elemental Geosystems, 7^h Edition, Prentice Hall.

Course Description and Course Objectives:

An introduction to the global environment, emphasizing the evolution and interaction of Earth's atmosphere, hydrosphere, lithosphere and biosphere; energy and material cycles, and global change. You will learn about the spatial dimensions of the Earth's dynamic systems and the interactions among them. These systems include energy, air, water, climate, landforms, soils, and ecosystems. You will learn about these systems at global, regional and local scales. Through this course, I hope that you will gain an appreciation for the marvel that the Earth truly is and feel encouraged to practice good stewardship of our planet.

Course Topics

	Topic(s)	Reading	Important Dates
	Foundations of Geography Solar Energy, Seasons and the Atmosphere	Chapter 1 Chapter 2	Assignment 1
	Atmospheric Energy and Global Temperatures Atmospheric and Oceanic Circulation	Chapter 3 Chapter 4	Assignment 2
	Atmospheric Water and Weather Water Resources	Chapter 5 Chapter 6	Assignment 3
	Climate Systems and Climate Change	Chapter 7	Climate Change DVD
	Exam 1		July 6: Exam 1
	The Dynamic Planet Tectonics, Earthquakes, and Volcanoes Weathering, Mass Wasting, Karst	Chapter 8 Chapter 9 Chapter 10	Colliding Continents DVD
	River Systems and Landforms Wind Processes and Desert Landscapes	Chapter 11 Chapter 12	Assignment 4
	The Oceans, Coastal Processes and Landforms Glacial and Periglacial Landscapes	Chapter 12 Chapter 13	Assignment 5
	Ecosystem Essentials Terrestrial Biomes	Chapter 15 Chapter 16	Living Planet DVD
	Exam 2		July 13: Exam 2