

GREEN MOUNTAIN COLLEGE

Syllabus

ES 1019 Physical Geography: What Nature Is and How it Works Fall 1999

Instructor

William S. Lynn, Ph.D.
Geography & Environmental Studies
Green Mountain College
One College Circle
Poultney, VT 05764
802.287.8301
william.lynn@greenmtn.edu

Office Hours

Office hours are posted at Terrace C. Please sign-up for an appointment.

Time and Location

Lectures are on Tuesdays and Thursdays from 09:30-10:45 and 11:00-12:15 in Terrace 24.

Description

Geography is the study of the earth as the home of humankind. One way to understand this is to consider how geographers understand the physical and ecological aspects of nature, that is, what nature is and how it works. To do this we will examine how biological and physical processes interactively generate natural landscapes. This is an introductory survey course. By the end of the term you will be acquainted with the primary subject matter of physical geography.

Grading

Your learning is assessed through tests. Attendance is required. Please bring your books, handouts, etc. to class as they are used in class work and tests. This syllabus may be updated during the term. For more information on grades and course expectations, please see my *Course Policies* handout.

Texts

- McKnight, Tom L. (1999) *Physical Geography: A Landscape Appreciation*, Englewood Cliffs: Prentice Hall.
- Rand McNally (1999) *Atlas of World Geography*, New York: Rand McNally.

Handouts

- Course Policies
- Graticule & Places
- Studia

Supplements

- BarCharts (1999) *Geography Academic Outline*, Boca Raton: BarCharts Inc.

Agenda

Starts...	Subject...
Week 01 30 August	<u>Globes, Maps, & Atlases</u> Reading -- <i>Atlas of World Geography</i> , p 3-65; McKnight Ch 1: Introduction. Test 01
Week 02 06 September	<u>The Geosphere</u> Reading -- McKnight Ch 2: Portraying the Earth; McKnight Appendix I & II. Test 02
Week 03 13 September	<u>The Atmosphere</u> Reading -- McKnight Ch 3: Introduction to the Atmosphere. Test 03
Week 04 20 September	<u>Insolation and Temperature</u> Reading -- McKnight Ch 4: Insolation and Temperature. Test 04
Week 05 27 September	<u>Pressure and Wind</u> Reading -- McKnight Ch 5: Atmospheric Pressure & Wind. Test 05
Week 06 04 October	<u>Moisture</u> Reading -- McKnight Ch 6: Atmospheric Moisture. Test 06
Week 07 11 October	<u>Atmospheric Flows and Storms</u> Reading -- McKnight Ch 7: Transient Atmospheric Flows and Disturbances. Test 07
Week 08 18 October	<u>Climate</u> Reading -- McKnight Ch 8: Climate Zones and Types. Test 08
Week 09 25 October	<u>The Hydrosphere</u> Reading -- McKnight Ch 9: Hydrosphere. Test 09
Week 10 01 November	<u>The Biosphere I</u> Reading -- McKnight Ch 10: Cycles & Patterns in the Biosphere. Test 10
Week 11 08 November	<u>The Biosphere II</u> Reading -- McKnight Ch 11: Terrestrial Flora and Fauna.

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	Test 11
Week 12 15 November	<u>Soils and the Lithosphere</u> Reading -- McKnight Ch 12: Soils. Test 12
Week 13 22 November	<u>Landforms and the Lithosphere</u> Reading -- McKnight Ch 13: Introduction to Landform Study. Test 13
Week 14 29 November	<u>Erosion of the Lithosphere</u> Reading -- McKnight Ch 15: Preliminaries to Erosion. Test 15
Week 15 06 December	<u>Glaciation</u> Reading -- McKnight Ch 19: Glacial Modification of Terrain. Test 19
Week 16. 13 December	<u>Finals Week</u>