

Fall 2015

BIOS 4590

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University of New Orleans

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SYLLABUS

GEOGRAPHY 4530-001 / BIOS 4590-002, BIOGEOGRAPHY, Fall 2015

Instructor: Peter Yaukey

Class location: Science 2120

Meeting times: Tue Thu 9:30-10:45

Office: Milneburg Hall 354 (280-3164).

Office hours: Tue Thu 11-130, Wed 6-7 pm, or by appointment.

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"It is the glory of God to conceal a thing; but the honor of kings is to search out a matter." - Proverbs 25:2.

<u>DATE</u>	<u>TOPIC</u>
Aug	20 Introduction
	25 Basic concepts; Important Places; Biodiversity (4:117-149)
	27 Stress & Tolerance (2:38-41, 59-88)
Sep	1 Temperature Stress; Moisture Stress
	3 Nutritive & Energetic Stress
	8 Predation Stress; Migration
	10 Species Introduction
	15 Tropical Rainforest Biome (3:91-116)
	17 Test One
	22 Tropical Savanna Biome
	24 to be announced
	29 Desert Biome
Oct	1 Chaparral & Midlatitude Grassland Biomes
	6 Midlatitude Deciduous Forest Biome; Boreal Forest Biome
	8 Tundra Biome
	13 Exercise 1
	15 Fall Break
	20 Ice Ages and dispersal (12:369-407)
	22 Divergence (6:143-158); dispersal and disjunct distributions (2:41-59)
	27 Test Two
	29 Nearctic Realm, Palearctic Realm (11:329-366)
Nov	3 Neotropical Realm
	5 Ethiopian Realm; Oriental Realm
	10 Australian Realm
	12 Antarctic and Oceania Realms
	17 Island Patterns; Island Biogeography (8:223-262)
	19 Preserve Design; Extinction; Forest Destruction
	24 Test Three
	26 Thanksgiving- no class- go eat a bird endemic to the Americas
Dec	1 to be announced
	3 Review
Thu	10 Final Exam, 10:00 - 12:00

TEXT: *Biogeography*, by C.Barry Cox and P.D. Moore, 8th ed., 2010, Wiley.

If you need a makeup exam, see me beforehand, or provide a verifiable excuse. Extenuating circumstances are necessary (stranded by a hurricane, treed by a moose, captured by aliens, Intercollegiate athletic event, etc.). Attendance will be recorded daily. After two unexcused absences, each unexcused absence will result in 2% being dropped from final score. Final drop date is Oct 14.

GRADING:

3 exercises @ 100 points each	= 300 points
3 exams @ 100 points each	= 300 points
Final Exam @ 200 points	= 200 points
Total	= 800 points

SATURDAY ZOO EXERCISE- An exercise will be conducted at the Audubon Zoo. The instructor will lead a trip to the zoo on Saturday, Nov 21 (date subject to change). Those who cannot participate that day will be given a handout and asked to complete the exercise on their own. Students must pay their own admission.

STUDENT LEARNING OBJECTIVES

After successfully completing this course, students will be able to:

- Understand and explain important concepts and principles governing the distribution of plants and animals on the globe, including ecological and historical factors.
- Describe the basic biomes of the globe, and the means by which different organisms tolerate environmental stresses they encounter and which affect their distribution.
- Locate important biogeographic locations and features on maps of the globe.

ACADEMIC INTEGRITY

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the UNO Judicial Code for further information. The Code is available online at http://www.uno.edu/~stlf/policy%20Manual/judicial_code_pt2.htm.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Students who qualify for services will receive the academic modifications for which they are legally entitled. It is the responsibility of the student to register with the Office of Disability Services each semester and follow their procedures for obtaining assistance.