

# GEOGRAPHY 2200

## Introductory Physical Geography

### Section 4584

Instructor: Kojo Owusu

Summer B, 2007

#### INTRODUCTION

This is a study of some of the basic elements of the physical world in which climates and landforms are examined in terms of their natural occurrences, distribution and interrelationships.

The class meets the General Education requirements of a Physical Science.

#### LECTURES

**Williamson Hall, Room 100,**

[M, T, W, R, F. Period 4: 12:30 – 1:45 p.m.](#)

#### OFFICE HOURS

[Tuesday 11:00 a.m. – 12:00 noon](#) & [Thursday 11:00 – 12:00 noon.](#)

You may also see me by appointment.

**Office Location: 3203 Turlington Hall**

Email: [kowusu@ufl.edu](mailto:kowusu@ufl.edu) (please use it sparingly, it is much better to come and see me).

#### EXAMINATIONS AND GRADES

All examinations held in the lecture room during lecture hours on the stated dates

*a) Two (2) tests each worth 20% of final grade.*

**Test 1: Wednesday July 11** (Material covered: July 02 – July 10)

**Test 2: Tuesday July 31** (Material covered: July 23 – July 30)

Tests will consist of multiple-choice questions.

*b) Two (2) examinations each worth 30% of final grade:*

**Exam 1: Friday July 20** (Material covered: July 02 - July 19)

**Exam 2: Thursday August 09** (Material covered: July 23 – August 08)

These examinations will each consist of regular multiple-choice questions and multiple-choice questions directed to maps and diagrams from the course materials.

**All exams including the final will be held in the lecture room at the usual lecture times.**

The two examinations will evaluate your knowledge of each of the two halves of the course, **separately**. The second examination will therefore only evaluate material presented in the second half of the course.

**Important Dates to Remember:**

July 11, Test 1  
July 20, Exam 2  
July 31, Test 2  
August 09, Exam 2  
July 4. Independence Day. No Class.

**GRADING SCHEME:**

[A= 87 and above] [B+=80-86.9] [B=73-79.9] [C+=66-72.9] [C = 59-65.9] [D+ = 52-58.9] [D = 45-51.9] [E = <45]

All grades will be posted on the website and at the back of the room. **It is your responsibility to know how well you are doing in the class.**

**YOUR PERSONAL CODE FOR THIS CLASS:**

*As you know, it is now illegal to post grades using Social Security or UF ID numbers, in whole or in part. You can, however, be issued at random, a "personal code" known only to yourself and the instructor, by which your grades can be posted. Your grades will be reported under your exam or test code. The code will be the 5-digit exam test code, which will be found at the very end of your test or exam. Take time to write this code down and memorize it.*

**WEB PAGE INFORMATION:**

A copy of this syllabus and your updated test scores will be available at:

<http://www.clas.ufl.edu/users/kowusu>

You may also find interesting and pertinent information by browsing these web sites:

<http://cw.prenhall.com/mcknight/>

<http://www.prenhall.com/christopherson/>

<http://pubs.usgs.gov/publications/text/understanding.html>

<http://www.floridaenvironment.com/programs/fe00619.htm> (04/20/07)

A free text online which I strongly recommend can be found at:

<http://www.physicalgeography.net> (05/01/07)

**COURSE TEXT:**

I have put together a package of relevant course materials (tables, diagrams, maps), which are available from **TARGET COPY** under this course number. I strongly **recommend** that you purchase this. You can survive without it, but you will have to copy down all the materials during the lecture periods, I will be progressing at a speed which assumes that you have the package. This package will also serve as your **STUDY GUIDE**. If I have taken the time to place the figures, diagrams, and tables in this text then it is an indication that I want you to understand it.

### **THE COMMERCIAL NOTES WARNING:**

In the eventuality of a discussion over grading I will recognize my notes and any textbook as being an authoritative source. However, I will not recognize any commercially reproduced course notes, as these have been drafted by undergraduate students, and have in the past proved to be erroneous. This course will undoubtedly be targeted by a commercial note company because of the number of students enrolled. It is your choice, which, if any, notes you buy.

### **ACADEMIC HONESTY:**

You are all bound by the student academic honor code.

*"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."*

*"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

Each student answers the same examination, however, the computer shuffles the order of the questions and the order of the possible answers. In this way, each examination is unique in its order, but not its content. When grading the answers, the computer scans for similarities in answers and notifies me of any remarkable coincidences! The first time a student is caught cheating they will get zero on the test. (In a multiple-choice test you would probably score 20% simply by guessing!). On the second offense the student will be reported to the appropriate student body.

### **EXCUSED ABSENCES AND EXTRA CREDIT:**

In the interest of fairness to **all** students in the class, and in light of the high enrolments, there will be **no extra credit**. However, I appreciate that unexpected events occur in all of our lives. If such events (illness, personal problems, etc.) befall you, I will give you the choice of either taking a make-up exam upon production of **official documentation** of your case.

### **THREE THINGS I DO NOT ALLOW IN CLASS;**

- 1. Cell phones** - turn them off!
- 2. Talking in class** - if you don't want to hear what I have to say, don't show up, and let those who do want to hear, hear more clearly.
- 3. Reading the newspaper in class** - go and have a coffee, sit in a comfy chair and/or enjoy the sunshine while you read.

I have no policy of mandatory attendance. When you enter the lecture room you are doing so of your own volition, not because you are being forced to. When you make that choice you are also agreeing to show respect to your fellow students by allowing them to hear the lecture material without having to compete with cell phones and background chit-chat.

## **LECTURE TOPICS - PART I**

### *Sources of Earth's Energy*

- Electromagnetic radiation
- Conduction and convection

### *Time and Seasons*

- Revolution around the sun
- Zenith Angle
- Seasons
- Length of day
- Global variations

### *Earth's Atmosphere*

- Composition
- Pressure
- Thermal structure

### *Radiation Balance*

- Incoming
- Energy Sinks:
- Outgoing
- Global balance

### *Global Pressure and Circulation*

- Pressure belts
- Coriolis Effect
- Global winds
- Continent/Ocean contrasts
- Global pressures and winds
- Surface ocean currents
- Seasonal shifts

### *Moisture in the Atmosphere*

- Humidity
- Adiabatic Processes
- Orographic Precipitation
- Convective Rain
- Air Masses and Fronts
- Convergent

## **LECTURE TOPICS - PART II**

### *Form and origin of the Earth*

Internal Structure

### *Plate Tectonics*

Constructive boundaries

Destructive boundaries

Conservative boundaries

Hot spots

Evidence

### *Hydrologic Cycle*

Global stores and fluxes

Continental portion

### *Mass Movement and Slope Processes*

Flows

Slides

Heaves

### *Erosion by Running Water*

Limestone Solution

Sinkholes

Clastic erosion

### *Fluvial Geomorphology*

Fluvial Processes

Erosion

Transportation

Deposition