Instructor:

Caroline Huguenin: chuguenin@ufl.edu	
Office Hours	
TBD	Rolfs 100

Course Overview

This is a study of some of the basic elements of the physical world in which climates, meteorology, and landforms are examined in terms of their natural occurrences, distribution and interrelationships. The class meets the General Education requirements of a Physical Science.

IMPORTANT NOTES

1. Make sure you have a WIRED Internet connection with approved browser by Canvas. See Recommended Browsers FAQs.
2. Contact UF Computing Help Desk (352-392-4357) immediately when you encounter difficulties and keep the TICKET NUMBER for future reference and for reporting to the instructor.
3. Please read through the e-Learning FAQs and best test practices.
4. Self-discipline is very important to this course. Make sure you follow the suggested Topic Dates. Reviewing the lecture videos is the first resource for all course material. DO NOT let queries accumulate until the tests. Much of this material is cumulative; therefore, a lack of understanding of early material will hinder your ability to comprehend material that follows. For questions about the lectures, please ask fellow classmates first (via the discussion board) and if you need further assistance, feel free to attend office hours or email me.

Course Objectives

The textbook will assist you in successfully accomplishing each of the objectives below:

- To understand the nature of solar energy reaching the surface of the Earth, and its temporal and global variability. You should be able to explain why we have seasons.
- To understand how the interactions of oceans, continents and atmosphere transfer energy from places experiencing excess energy to those of deficit energy, and how these give rise to the typical climate of a location.
- To understand the nature and origin of energy arriving at the surface of the Earth from within the planet, the mechanisms of this energy transfer, and their global distribution.
- To understand the processes by which the competing forces of energy derived from the climate system and those from within the Earth interact to produce typical landscapes.
- To indicate the ways in which all of the above impinge upon human behavior and our interaction with our environment.

Instructor

Caroline Huguenin (chuguenin@ufl.edu)
I am a doctoral candidate in Geography with an M.Sc. in Hydrology and Water Resources from Unesco-IHE in the Netherlands and a B.S. in Civil Engineering. My research focuses an interdisciplinary approach to study the complex interactions of a watershed in Northwestern Costa Rica, focusing on climate change and extreme weather events.

Office Hours

I will hold office hours during which I will be available to answer questions via email, or in person at a scheduled room through prior request. There is also a discussion page open to students to post questions all day. This can be found on the Discussion tab and is called the "Physical Geography Lounge". The instructor or other students will be able to post answers or have a discussion about the course.

Emailing

I will try my best to answer e-mail questions promptly (by the next school day ~24 hours). If you do not receive a response by the next school day, please follow up with me because I may not have

received the e-mail for various reasons. I typically do not check emails on weekends. Also: I cannot respond to large quantities of e-mail in the 24 hours preceding an assignment/examination deadline. Contact me early so that questions do not accumulate!

Texts

There is a ***required*** textbook for this class (options discussed below):

Exploring Physical Geography (2nd edition). Stephen Reynolds, Robert V. Rohli, Julia Johnson, **Peter Waylen**, Mark Andrew Francek. New York, NY: McGraw-Hill, 2014.

There will also be McGraw-Hill Connect, which will be *optional*. This will provide an electronic version of the book to read, as well as their system for self-testing on the material. *Either the physical book or the ebook will work for this course as well as the first edition. 3rd Edition* ***will not*** *be used for this class!*

Evaluations and Grading

Assessment Item	Number of Assignments	Points per Assignment	Total Points	Percent
Syllabus Quiz	1	20	20	4
Homework	4	40	160	32
Missions	2	30	60	12
Group Assignment: roles	1	5	60	12
Group Assignment: overview	1	10		
Group Assignment: final	1	45		
Part I Exam	1	100	100	20
Part II Exam	1	100	100	20
Total			*500*	*100*

SYLLABUS QUIZ

At the start of the course you need to pass a syllabus quiz. This quiz may be taken multiple times until you score 100%, and there is no time limit within the quiz. It is open syllabus. You must take this quiz to continue with the rest of the course.

HOMEWORKS (4)

Each of the homeworks will consist of videos, tutorials, and other materials as well as a series of questions to evaluate knowledge. Students have 7 days during which the homework will be available. During this 7 day period, you will have unlimited time to complete it. During your breaks you are welcome to review your notes, textbook, lecture videos or outside sources before returning to the homework.

MISSIONS (2)

Missions are task oriented assignments to be completed throughout the course of the semester. Due dates for each of the missions will be throughout the semester, however feel free to submit them early. You may pick topics that will be covered later in class, though we recommend that you review those lectures and/or book sections before writing up your mission. Each student is expected to accrue 60 points, at 30 points per mission (i.e. 2 missions total during the semester). Each mission will be comprised of a) proof of the completed task and b) a 300 word report detailing what the task was and what physical geography process or phenomena was described utilizing the appropriate terminology and explanations used in class.

For example, if you were to make an emergency preparedness brochure about earthquakes, submitting a copy of your brochure would count as proof of completing the task. You would need to submit the 300 word report describing your brochure and including something about earthquakes. This write-up is expected to demonstrate your *scientific knowledge and understanding* of the material/topic.

You may choose from the following missions (repeats are accepted, except where noted below):

- A photograph of a physical geography event or feature related to climate.
- A photograph of a physical geography event or feature related to Earth's surface.
- A photograph or proof of attending a museum exhibit that relates to physical geography.
- A photograph or proof of constructing a physical model depicting physical geography.
- An emergency preparedness brochure (or some other print media) that is related to physical geography (e.g. hurricane, earthquake, volcano, etc.).
- A newspaper article related to any part of physical geography covered in lecture (NOTE: you are only allowed to pick a newspaper article ONCE during the semester).
- A Tik Tok video of 45-60 seconds explaining a physical geography phenomena. You will have to tag me: @carolinehuguenin2
- Propose your own mission (approval from the instructors is *required* before you proceed with your mission).

If your mission involves an uncommon file type, please check with the instructors well in advance to ensure we're able to view it.

GROUP ASSIGNMENT (1)

Shortly after drop/add, the remaining students will be divided into small groups (3-5 students per group). The group will self-select each of the following roles for the students.

- Group leader – it the responsibility of this person to contact all other group members and organize meetings.
- Energizer – it is the responsibility of this person to keep the group on task.
- Goal setter – it is the responsibility of this person to set goals for each group meeting.

- Group recorder – it is the responsibility of this person to collect the slides at the end and organize them into a cohesive order. This person will also be responsible for submitting the final product to the instructor.
- Critic – it is the responsibility of this person to create a slide or two that highlights the weaknesses of the proposed solution created by the group.

A series of short scenarios will be distributed to the various groups. The group will create a PowerPoint presentation detailing the problem presented in the scenario and how the group plans to solve the problem. All group members are expected to contribute to this project in addition to the extra assigned roles (group leader, critic). The Critic will create an additional slide that presents the limiting factors, challenges, and weaknesses of the proposed solution to the problem. The final product will be a single, cohesive set of slides with a logical order and flow, as well as a slide containing citations. There should be a cover slide that includes each group members name and the additional role they played. The final product will be assembled and submitted by the group recorder to the course TA. Each student is required to put their initials at the bottom of each slide they produce or contributed to. If two people co-produce a slide, both sets of initials should be placed at the bottom of the slide. Each student will receive an individual grade. Negligent or unresponsive students who contribute little or nothing to the project will receive a lower grade and will not impact the individual grades of those students who do participate. This assignment will be due later in the semester to ensure plenty of time for the groups to organize and produce a quality presentation.

EXAMS (2)

Examinations are <u>OPEN BOOK</u> and will each consist of individual multiple-choice questions.

- Two (2) hours are allocated for each test. You will be "timed out" after this. Having logged in to take the test once, you will not be permitted to re-enter the test site for that particular test.
- The two examinations will evaluate your knowledge of each of the two halves of the course, part I and part II, **<u>separately.</u>** The **second examination** will therefore only evaluate material presented in part II.
- *Be advised that, for all tests and examinations, you will only have until **midnight on the due date** to complete the questions. Please remember to sign-in with adequate time to complete each evaluation.*

<u>PLEASE NOTE:</u>

- If you encounter any unexpected behavior (error messages, inability to login, etc.,) **<u>take a screen shot of the problem</u>** [In Windows, (Print Scrn) and on a Mac, (Cmd-Shift-4)] and paste into a program like Word or Paint. Save this file. This is important so that your instructor knows your problem is legitimate, and to assist the UF Computing Help Desk in helping you fix the problem.
- If you encounter problems that prevent you from taking the exam, immediately call the **UF Computing Help Desk at 352-392-4357**. Ask for and keep the ticket number for future reference.

Extra Credit

There will be one extra credit offering – a homework-like assignment near the end of the class. It can have questions from any topic in class (and may even go slightly beyond). The questions will be difficult, or cover absolutely key points from the course. The value will be ~5% of the total course grade, but it can fluctuate depending on the class average course grades at the time. Do *not* bank on the extra credit, e.g. the homework are worth far more.

Calendar

Week	Dates		Module	Readings
1	1/5/2022	1/8/2022	The Nature of Physical Geography & Energy in the Atmosphere	1.3 to 1.5, 1.7, 2.0 to 2.6
2	1/9/2022	1/15/2022	Energy & Matter in the Atmosphere	2.7 to 2.19
3	1/16/2022	1/22/2022	Atmospheric Motion	3.0 to 3.13, and 3.15
4	1/23/2022	1/29/2022	Atmospheric Moisture & Tropical Cyclones	4.0, 4.1, 4.7, 4.11, 5.13 to 5.15 and 5.17
5	1/30/2022	2/5/2022	Atmosphere-Ocean-Cryosphere Interactions	6.0 to 6.12 and 6.15
6	2/6/2022	2/12/2022	Water Resources	8.0 to 8.6 and 8.8 to 8.12
7	2/13/2022	2/19/2022	EXAM PART I	
8	2/20/2022	2/26/2022	Plate Tectonics Part 1	10.0 to 10.8
9	2/27/2022	3/5/2022	Plate Tectonics Part 2	10.9 to 10.18
10	3/6/2022	3/12/2022	SPRING BREAK	
11	3/13/2022	3/19/2022	Volcanoes, Deformation & Earthquakes	11.0 to 11.10 and 11.13 to 11.16
12	3/20/2022	3/26/2022	Weathering & Mass Wasting	12.0 to 12.13
13	3/27/2022	4/2/2022	Coastal Geomorphology	15.0 to 15.11
14	4/3/2022	4/9/2022	Climates Around the World	7.0 to 7.8
15	4/10/2022	4/16/2022	Biomes & Climate Change	18.0 to 18.4 and 7.11 to 7.16
16	4/17/2022	4/23/2022	EXAM PART II	

Grading Scheme

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
100-94.5	94.4-89.5	89.4-86.5	86.4-82.5	82.4-79.5	79.4-74.5	74.4-69.5	69.4-66.5	66.4-62.5	62.4-59.5	59.4-56.5	<56.5

Note: Under University regulations a *"C-" will not be a qualifying grade for major, minor, Gen Ed, Gordon Rule or College Basic Distribution credit.*

It is your responsibility to know how well you are doing in the class.

There will be a Grades tab in Canvas for following your progress. Please use it to keep track of your score, and contact us if there is a discrepancy. If you are not satisfied with the score you receive on an exam or quiz or feel an error has been made, you will be permitted **two weeks** from the time the score was posted for a review of the assessment (exception: Part II exam will have less than a week to review as it is near the end of term). After this time the score will be entered as a permanent grade.

Please see the UF catalog grading policies for current guidelines not discussion here:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Late Policy

Semesters move quickly, and it is very easy to fall behind with video lectures. For assignments (homeworks/missions), I will accept them one day late with a 25% penalty. **Anything more than 24 hours late will not be accepted and a grade of "0" will be assigned.** No exams will be accepted late.

If you cannot complete an assignment or an exam because of an excused reason (illness, family emergency, etc.), please contact me as soon as possible. In order for the assignment to be excused, **official documentation** must be provided to the instructor. Instructions on how to send me the documents will be handled at the time I am informed of the incident. Note that most of the assessments are open for multiple days. The valid reason must cover all of these days.

If you know of an event in advance that will conflict with an assignment or test date, it is your responsibility to contact me beforehand and let me know. I prefer to know sooner than later. Not all conflicts will be excused (e.g. you want to miss an exam to attend a rock concert). It is the instructor discretion to determine what is excused and what is not.

Academic Honesty

Accountability to 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."

In the Assessments, Canvas will shuffle the order of the questions and the order of the possible answers, generating a nearly unique assessment per student. **Plagiarism or cheating of any variety on any assignment will not be tolerated.** If a student is suspected of cheating and there is sufficient evidence in support of the allegation, the student will be reported to the appropriate student body, according to the University's Student Conduct and Conflict Resolution system.

11 Special Accommodations

Students requesting disability-related academic accommodations must first register with the **Disability Resource Center**. http://www.dso.ufl.edu/drc/

- The Disability Resource Center will provide documentation to the student—each student requesting special accommodations must provide this documentation to the Instructor. I do not automatically receive this information, so the student is responsible with providing the DSO request to the Instructor.
- I will honor all requests. Please contact the instructor by e-mail to make appointment so that we can go through these accommodations and sign the form.

12 Student Support Services

As a student in a distance learning course or program you have access to the same student support services that on campus students have. For course content questions contact your instructor(s).

- For any technical issues you encounter with your course please contact the UF computing Help Desk at 342-392-4357. For Help Desk hours visit: http://helpdesk.ufl.edu/.

- For a list of additional student support services links and information please visit: http://www.distance.ufl.edu/student-services
- In some special circumstances (when documentation is not available, for instance), we may ask you to contact the Dean of Students Office: **The Dean of Students Office**: 202 Peabody Hall, PO Box 114075, Phone: (352) 392-1261
- The Dean of Students is a resource, available to all students, for when special circumstances arise that disrupts students' abilities to maintain their academic standing. We encourage students to use this resource if necessary.

- Useful Links:
  - Student Counseling by College
  - Student Right and Responsibilities

Complaints

Should you have any complaints with your experience in this course please visit http://www.distance.ufl.edu/student-complaints to submit a complaint.

Course Evaluations

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results.