

G100-05I Syllabus SPRING, 2013

(Jan 14 -May 11)

Instructor: Dr. S. A. Isiorho Office: SB236 Phone: (260) 481-6249
E-mail: isiorho@ipfw.edu (will not respond to any question sent to my regular school email)

Teaching Assistant (TA): Ms. D. Westgerdes
(Use Blackboard email system for all class related materials)

1. Course Description:

This course is designed to provide the student with a basic understanding of physical geology and introduction to structural geology. During the course you will study the earth materials, changes on the earth's surface, the interior of the earth, and the dynamic forces that bring about those changes. Students should be able to locate physical features such as rivers, lakes or mountain chain given a blank world map... you will not be tested on locating features on maps.

You should be able to relate geology to environmental problems and natural hazards. What can we tell from rocks and why do we have the different landscapes in USA and around the world? Can you tell what minerals and rocks you see around you? *Why are the rocks where they are? How were they formed and what use(s) if any, are the rocks?*

Rocks tell stories!

Objectives:

Provide students with a basic understanding of the earth, origin, and composition.

Provide some geologic principles and processes in and on the earth.

Provide an understanding of landscapes in the around especially, within the United States.

Improve student's skills in analyzing data.

Learning Outcomes:

Students should know what creates landscapes of where they are.

Students should know the different rock types and some basic minerals.

Students know some geologic principles and earth processes.

2. Textbook:

Geology by Chernicoff & Whitney ... You have the option to rent your textbook ... for more information "you may visit www.Rent-a-text.com or if you have any questions, please feel free to contact Jason Kahlenbeck at 260.483.6100 or 0281txt@fhcg.follett.com"

I will encourage you to use all of the available resources...text book, class note (lecture outlines), web-note, power point, & internet. I expect all students to participate in class discussions...it's worth 15% of your course grade.

3. Exams:

You should use the **Blackboard discussion board** for posting questions ... and you can answer any questions posted on the discussion board.

See TA's letter, writing and posting instructions at the end of this document

ALL REPORTS MUST BE SENT AS ATTACHMENT THROUGH THE BLACKBOARD ASSIGNMENT DRO PBOX AS PORTABLE DIGITAL FILES (PDF). ALSO, INCLUDE YOUR NAME AND REPORT TITLE IN YOUR REPORT and as part of your file name, *EXAMPLE, IsiorhoaboutRpt... failure to have your name as part of your file name will cost you points.*
NO HARD COPY OF ASSIGNMENTS WILL BE ACCEPTED

COURSE GRADE, EXAMS, AND REPORTS:

Three exams and finals.

Course grades will be based on

Two exams (40%) (will drop the lowest score of the first three tests),

Finals (test #4) (20%)

What you hope to learn (bonus 1%)

Pre- Quiz (will be added to test #4)

Rock report (5%),

Earthquake certificate (5%)

Discharge certificate (5%)

Flood certificate (5%).

Personal Water report (5%)

Discussion Board (15%)

Post-Quiz (will be added to test #4)

What you learned (bonus 1%)

NOTE: YOU CAN TURN IN YOUR REPORT/ASSIGNMENT BEFORE THEIR DUE DATES

ALL EXAMS ARE OPEN BOOK AND WILL BE TAKEN ONLINE IN BLACKBOARD. THE HONOR SYSTEM IS ASSUMED DURING TEST TAKING. DO NOT DISCUSS ANY EXAM QUESTIONS OR WORK IN GROUPS. **ANYONE CAUGHT CHEATING WILL AUTOMATICALLY GET ZERO FOR THAT TEST ... my eyes are on you :)**

NOTE: All reports must be saved as portable digital format (PDF) and 'dropped' in the assignment box in appropriate assignment box in blackboard. Your reports titles must include your name, G100, and type of report (video or rock).

Your report must be sent before 4:00 p.m. or as posted. Any report received after 4 p.m. or as posted, will not be graded. You are responsible for all materials in the textbook and or internet links and you could get questions outside of lectures ... applied questions.

Grading scale: A=90-100; B=80-89; C=70-79; D=60-69; F=<60

I DO NOT CURVE. PLEASE DO NOT ASK ME FOR EXTRA CREDIT ... put that energy into your exams and reports.

Code of Student Rights, Responsibility, and Conduct:

Students are strongly advised to know the Code of Student Rights, Responsibility, and Conduct that can be found in the Student Handbook and Planner that is published each fall semester. Students are expected to read and understand the Code as it relates to cheating, plagiarizing, and aiding and abetting others to cheat and/or plagiarize. Students caught cheating and/or plagiarizing on tests, reports, or projects will receive a zero for that portion of the course.

"Part I.B.3 Individual Rights and Responsibility as Students

In the classroom, students have the freedom to raise relevant issues pertaining to classroom discussion, to offer reasonable doubts about data presented, and to express alternate opinions to those discussed. However, in exercising this freedom, students shall not interfere with the academic process of the class."

Students with Disabilities:

"If you have a disability and need assistance, special arrangements can be made to accommodate most needs. Contact the Director of Services for Students with Disabilities (Walb, room 113, telephone number (260) 481-6658), as soon as possible to work out the details. Once the Director has provided you with a letter attesting to your needs for modification, bring the letter to me. For more information, please visit the web site for SSD at <http://www.ipfw.edu/ssd/>"

UNIT ONE

PreQuiz Jan 14-15

Practice Test Jan 14-May 5, 2013...practice test grade will not be applied to your course grade

Assignment 1: *Learned Report (what you hope to learn in the course) Jan 15, 2013 (Bonus) due by 6:00 p.m.*

Note the chapter titles may not correspond to the chapter titles in your textbook

Introduction to Physical Geology Chapter 1

Atoms, Elements, and Minerals (*) very important Chapter 2

Igneous Rocks, Intrusive Activity, and the Origin of Igneous Rocks Chapter 3

Volcanism and Extrusive Rocks Chapter 4

Learn about volcanoes of the world [VOLCANOES](#)

[Stomboli Online: Volcanoes of the world](#)

Weathering: and Soil Chapter 5

[PowerPoint Slide review](#)

[Class notes for Unit 1](#)

[The End of the Earth? ABC News Jan. 22, 2003](#)

[Volcanic Ash](#) over Kodiak Island in Alaska

Space, Time, and Big ideas [videos](#) 5 short videos

What on [earth](#) made this?

Exam I Feb 4-6, 2013

(available from 6:00 a.m. - 6:00 p.m.)

Exam will be seventy (70) minutes long.

UNIT TWO

Note the chapter titles may not correspond exactly to the chapter titles in your textbook

Sediments and Sedimentary Rocks Chapter 6

Sed. rock type and depositional environments

Metamorphism, Metamorphic Rocks, and Hydrothermal Rocks Chapter 7

Assignment 2: Ten **PICTURES (photos)** (no drawings/illustrations/cartoons) related to the course with sources due through Blackboard assignment drop box by 6:00 p.m. **February 15, 2013** (**will prefer pictures taken by you**). This is worth 5% of your course grade. Have two to four-sentence description for each photograph, and also provide the source(s) (using APA format if you are not using your own personal pictures) of your photographs.

[3-D pictures of National Parks.... DO NOT GET YOUR PICTURES FROM THIS WEBSITE](#)
[Sample 10-Picture report](#)

Assignment 3: Check out this site ([Geogarden Tour](#)) and write a one-page double space typed report (5% of course grade) on any two specific rocks (not rock groups) from the geogarden... Your report should include 1) specific rock name, 2) mineral composition, 3) why you chose the rocks, and 4) and uses... (include minimum of three references, using APA format) due February 25, 2013 by 6:00 p.m.

Geologic Time Scale Chapter 8

Age of Earth links [Geologic Time Scale](#)

Link to a [geologic time scale class note by Dr. John C. Butler](#)

Shores and Coastal Processes (My Hawaii Video [One](#)) Chapter 19

Links to slides of [coastal](#) features.....

[Class notes for Unit 2](#)

Exam: March 4-6, 2013 (available from 6:00 a.m. to 6:00 p.m.) Exam will be seventy (70) minutes long.

UNIT THREE

Geologic Structure (Folds, Faults, and Joints)

Chapter 9

Earthquakes

Chapter 10

Assignment 3: ([Virtual EQ](#)) Check out this site and complete the assignment and turn in your **certificate of completion** (**visit Virtual EQ site and do the assignment and at the end you will be awarded a certificate ...your name must be on the certificate** (**5% of course grade**)). **SAVE THE CERTIFICATE AS A SEPARATE FILE FIRST BEFORE ATTACHING IT TO YOUR ASSIGNMENT BOX IN BLACKBOARD** (Note: Right click on the certificate to save it as JIF, JPEG or BMP and drop it in the assignment drop box it as an attachment). **Due March 22, 2013 by 6:00 p.m.**

The Earth's Interior

Chapter 11

Plate Tectonics

Chapter 12

[Plate Tectonics](#) [Plate tectonics animations](#)

Mass Wasting

Chapter 14

Animations from Pearson/Prentice Hall ...

http://www.phschool.com/atschool/phsciexp/active_art/mass_movement/index.html

[Class notes for Unit 3](#)

[Plate tectonics animations](#)

Exam III: April 8-10, 2013 (available from 6:00 a.m. to 6:00 p.m.) Exam will be seventy (70) minutes long.

UNIT FOUR

Note the chapter titles may not correspond exactly to the chapter titles in your textbook

Streams / Rivers and Floods Chapter 15

Hurricane Floyd New Orleans Floods (Aerial photos) Great Britain Flood
Nile Flood

N America drought Drought River meander [video](#) (by Prof. Isiorho)....
description by Prof. Farlow

Groundwater Chapter 16

Lake Chad Drought USGS [Water Science for Schools](#)
Fun [Groundwater video](#) ... I think USGS [Groundwater](#) site

Assignments: Start early on these assignments as they may take you a several hours.
Do the FLOOD & DISCHARGE assignments and turn in your certificates (your name must be on the certificates...right click on the certificates to save them as jif, jpeg or bmp, and download them and put them in your Blackboard ASSIGNMENT DROP BOX) ...

**DISCHARGE CERTIFICATE DUE April 15 (5%) and
FLOOD CERTIFICATE IS DUE APRIL 19 (5%) by 6:00 p.m.**

Glaciers and Glaciation Chapter 17

Deserts and Wind Action (Sahara) Chapter 18

Class notes for Unit 4
USGS Surface runoff
Water UMAC

Assignment: Water experience report....write a one page double space report on any water related experience you had within the past ten years....no need to give references. Due April 26 by 6:00 pm

Post Quiz 6:00 a.m. May 1-3 to 6:00 p.m.....very important that you take this post quiz

Exam IV 6:00 a.m. through 9:00 p.m. May 6-8, 2013

Exam will be seventy minutes (70) long.

TA's letter and instructions on writing, posting etc.

GEOL G100-05I, Professor Isiorho, Fall Semester 2013 Welcome Letter Westgerdes 1

Students: Welcome to Dr. Isiorho's online geology class! This course involves the standard requirements of reading the text, viewing the lecture PowerPoints, and taking exams; however, the class also requires written reports and discussion board postings. These two areas are essential for the fact that they make up 40% of the course. As students, it is important to plan ahead and submit assignments early to avoid any computer issues or eLearning (Blackboard) malfunctions!

Please read the syllabus carefully. It contains all of the policies of this course. Dr. Isiorho is the course administrator and determines the course policy. As the Teaching Assistant, I do not hold the power to change course policy. If a student wishes to request a change in the policy, for example the extension of a deadline, he or she MUST send the request directly to Dr. Isiorho.

A note about PLAGIARISM:

- Every sentence written must be in your OWN words. - Using a series of five or more words that has been taken directly from another's work is plagiarism. - Every sentence that is not a product of your own scientific research must have an appropriate in-text citation immediately following the text AND must be correctly cited in the "References Cited" section. The in-text citation is still necessary even if the sentence has been written in your own words. - Students who submit a paper containing plagiaristic sentences will earn a ZERO for the report (Isiorho, 2005). This parenthetical phrase is an example of a correct APA in-text citation for one author.

Scoring:

- All assignments should reflect your best work.
- Points are deducted from the maximum point value of the assignment, which can be found in the rubric.
- Reports need to include STATEMENTS only. No questions should be posted in a report. The student's goal is to discuss the assigned topic through the information presented within the report. - Avoid QUOTES in the reports. Quotes should be reserved for nonscientific papers.
- Appropriate submissions are written with a formal writing style. EXCEPTION: The last assignment regarding a personal water experience should be written in the first person.

Written Report Instructions:

This letter serves as additional instructions for the written assignments. Additional instructions for these assignments can be found under the Assignment Tab in Blackboard and the syllabus.

Writing standards to be followed:

- One-inch margins all around.
- Times New Roman 12 point font.
- Double-spaced report (this letter is NOT an example of double spaced writing.)
- Introductory and concluding paragraphs.
- Proper use of grammar, punctuation, and spelling.
- One space after sentence ending punctuation.
- Formal writing style.
- Proofread your work.

As a reminder, the following are requirements for the written assignments. This information is found in the syllabus and MUST be followed:

- Report length of no more than 1 page.
- Critical information for each paper must be put into a header as demonstrated above.
- The filename of assignments should be submitted with this format: LastnameReportname. Example: WestgerdesVolcano
- Each file is to be submitted ONLY under the correct assignment into the Assignment Drop box located in Blackboard. No emailing assignments to Dr. Isiorho or myself will be accepted. Students will only receive one attempt to submit assignments.
- Each file is to be submitted ONLY in the “pdf” format.
- The first page is the report and should be labeled with a page number “1.” The second page is the APA formatted “References Cited” and should be labeled with a page number “2.”
- Proper in-text citations of any reference sources are to be used.
- All facts should be double checked for accuracy.

A note about APA-formatted references:

- The format needs to be followed exactly. For example, if a single period or comma is left out, the entire “References Cited” section is incorrect.

- Become familiar with APA requirements. The Purdue OWL website is a good site to double check formatting. There are different formats depending on what type of source you use, like books, websites, encyclopedias, etc.
- Students are required to use a minimum of three SUITABLE references when researching information for each written report.
 - NON-SUITABLE references include Wikipedia and About.com. - SUITABLE references have an author that can be cited.

Again, all requirements for written assignments can be found in the syllabus. All assignments are graded using Dr. Isiorho's rubric. Students should email the pdf file to themselves before submitting it to the assignment box to make sure everything is correct. Formatting errors will appear if one has not followed the instructions.

Discussion board postings:

REQUIRED:

- An introduction AND a photograph of yourself.
- Over the time span stated in the syllabus, students are required to make two intelligent and meaningful postings per week.
- You should put thought into your post AND make sure it is posted in the correct topic thread. - Avoid previously posted information.
- A week is Monday through Sunday.
- Students may post more than once a day, BUT know that only one post will be graded for each date. (Therefore, you cannot complete all of your postings for the week in one day.)
- Be considerate and polite to others.
- Comments on topics other than the topic thread or inappropriate statements are not acceptable.

Those postings will not be scored.

Please feel free to contact Dr. Isiorho or myself with any questions regarding the material. However, we encourage the use of the available tools, i.e. syllabus, textbook, and PowerPoint, lecture notes (outlines) before contacting us with trivial questions. I look forward to helping you succeed throughout the semester!

Good Luck! Ms. Westgerdes

Test Information:

A unit test for each of the four units will be assigned. Scores of the highest two of the first three tests will be used when calculating the final grade. The lowest score of the first three tests will be dropped. The final exam is the Unit Four test and is NOT comprehensive. The material in each of the four units builds upon the prior units. Therefore, a comprehensive understanding of all materials presented in the course is the student's responsibility.

Each test is composed of 50 multiple choice questions worth 2 points each; totaling 100 points... to get the points for your course grade calculation, divide your test score by 100 and multiple it by 20. For example: supposed you got 90 out of

100 points...this will translate to 90/100 multiplied by 20

Step $90/100 = 0.9$

Step $0.9 \times 20 = 18$

You can simply multiply your score by 0.2

With this simple calculation, you should be able to figure out how you are doing regarding your potential letter grade for the course. Please, don't ask the TA or me to do this for you. The honor system is used during testing. Students may use written resources i.e., textbook, class notes or other printed materials. Consultation with another PERSON, either verbally or in writing is forbidden.

No requests to "make-up" an examination will be entertained.

Writing Assignment Instructions report: Generic Instructions:

All assignments must be dropped in the Assignment Box in Blackboard Learning no later than 4:00 p.m. on their due dates. Students are encouraged to submit assignments anytime prior to the due date. Only assignments submitted through the Assignment Box will be graded. The report submission must be made in the form of an electronic file. One file should be dropped into the Assignment Box. Should more than one file appear in the Assignment Box, the first file will be opened and graded. The file name for the report will include the student's last name followed by the name of the report. The file will be in the pdf format. Example: NameLearned.pdf.

The following information must appear in the header of each report, with the correct page number appearing on subsequent pages. The student's last name must be substituted for "Name" in the preceding and subsequent examples.

GEOL G100-05I, Prof Isiorho, semester... ReportName 1

Reports are to be written in a formal tone, using 12 point Times New Roman font, and are double-spaced. Standard one-inch margins and one space after sentence ending punctuation should be used.

Minimums of three references per report are required. The “References Cited” section of a paper appears on a dedicated page, and is written using APA formatting. No Wikipedia citations will be accepted as a reference.

No requests to “make-up” a report will be entertained.

Specific Instructions:

Standard report formatting of an introductory paragraph, a body paragraph, and a concluding paragraph is expected.

Report length is one page MAXIMUM. Do not use a Title Page. Be brief and concise.

Statements made within the body of the report that are a result of an author’s work product, require appropriate citation (Author, year) before the sentence ending punctuation.

Additional instructions are listed in the UNITS (I, II, III, or IV).

Ten (10) Photograph Project Instructions:

Generic Instructions:

The project must be dropped in the Assignment Box in Blackboard Learning no later than 4:00 p.m. on its due date. Students are encouraged to submit this assignment anytime prior to the due date. The assignment must be submitted through the Assignment Box in order to be graded. A project submission must be made in the form of an electronic file.

Should more than one file appear in the Assignment Box, the first file will be opened and graded. The file name for the project will include the student’s last name followed by the name of the project. The file will be in the .pdf format. Example: Name10PhotographProject.pdf. The following information must appear in the header of each page, with the correct page number appearing on subsequent pages. The student’s last name must be substituted for “Name” in the preceding and subsequent examples.

GEOL G100-04I, Prof Isiorho, semester, 10 Photograph Project Name 1

Captions are to be written in a formal tone, using 12 point Times New Roman font, and should be double spaced. Standard one-inch margins and one space after sentence-ending punctuation should be used. A minimum of three references per report is required. The “References Cited” section of a paper appears on a dedicated page, and is written using APA formatting. No Wikipedia citations will be accepted as a reference.

No requests to “make-up” a report will be entertained.

Specific Instructions:

Select ten photographs and provide a three/four-sentence description for each picture. The photographs should be numbered from one to ten. The caption for the photograph for example could be flood, landslide, rocks, soil, etc. will explain why or how the subject of the photo is pertinent to this course.

All photos must be in the .jpg or .jiff or pdf format. Source credit must be given beneath the photo as well as the "References Cited" section of the paper. All pictures, including descriptions, must be in one file...should be in pdf format. No drawings, cartoons, or illustrations may be used.

Personal Water Experience Report: Generic Instructions:

The project must be dropped in the Assignment Box in Blackboard no later than 4:00 p.m. on its due date. Students are encouraged to submit assignments anytime prior to the due date. Only assignments submitted through the Assignment Box will be graded.

The project submission must be made in the form of an electronic file. One file should be dropped into the Assignment Box. Should more than one file appear in the Assignment Box, the first file will be opened and graded. The file name for the report will include the student's last name followed by the name of the report. The file will be in the pdf format. Example: NamePersonalExperience.pdf.

The following information must appear in the header of each page, with the correct page number appearing on subsequent pages. The student's last name must be substituted for "Name" in the preceding and subsequent examples.

GEOL G100-05I Prof Isiorho, semester, Personal ExperienceName 1

Reports are to be written in a formal tone, using 12 point Times New Roman font, and should be double spaced. Standard one-inch margins and one space after sentence ending punctuation should be used.

No requests to "make-up" a report will be entertained.

Specific Instructions:

The use of pronouns, such as "I," is acceptable in this report. An informal writing style is not acceptable. References are not necessary, as the information contained within the report are from the students own experience.

Additional instructions are listed in UNIT IV.

Discussion Board Posting Assignment:

All students must participate in the online discussion in Blackboard learn. The discussion board should be used to post questions, answers, and other items of interest to the class for discussion.

The professor may initiate a topic to which students may respond. Keep the discussion threads pure by posting discussion for a topic on that topic's thread. Avoid repeating what another student has posted, as trivial postings will not be counted toward this assignment.

A minimum of two postings per week is required. Only one posting per day will be counted when figuring the two posting per week minimum requirement.

A week starts on Monday and ends on Sunday. Postings made between January 14 and April 21 (13 weeks....) will count toward the final grade. Postings can be made after this time frame, and are encouraged, but will receive NO credit.

2 points will be earned for an introductory paragraph WITH an attached photograph of the student. The remaining 13 points will be distributed amongst the minimum of 28 required postings.

The Teaching Assistant grades assignment.