PHYSICAL GEOLOGY
ESCI 1403 / FALL 2016

Instructor: Ken Martin
Office: Caddo Mills High School / Room206
Office Hours / Conference: Fifth Period / 11:25 – 12:50 M - F
Phone: 903 – 527 – 3164
Email: kmartin@caddomillsisd.org

Contact me by e-mail when absent, or in person when you return to class.


Course Description: Hours: 4Lecture Lab / Clock Hours (3 lecture, 2 lab)
ESCI 1403 – A systematic study of minerals, rock, and the processes which shape and modify the surface features of the earth. Energy, plate tectonics, volcanoes, earthquakes, and the practical aspects of geology are studied as they relate to man’s adjustments to the geologic environment.
Note: This is a University Studies course
Texas Common Course Number (Geol 1403)

Prerequisites: None

Student Learning Objectives:

Students will be able to discern between relevant and irrelevant information, recognize bias in source materials, and critically examine a diversity of source materials:

Students are assigned a research paper that they must compare articles to understand both sides of an environmental issue.

In written, oral, and/or visual communication, A&M – Commerce students will communicate in a manner appropriate to audience and occasion, with evident message and organizational structure:

Students are asked to do a Power point presentation over an environmental geology issue. This is done to and for the peers under the supervision of the instructor.

Students will be able to interpret, test and demonstrate principles revealed in empirical data:

The syllabus/schedule are subject to change.
Students are given certain information about an area, ex: rock type, fossils, geologic structures, etc. and they are expected to deduce the geologic history of the area.

Students will be able to work together toward a shared purpose relevant to the course or discipline with a sense of shared responsibility for meeting that purpose:

Laboratories are assigned that allow students to work together to reach a common goal. They study together, quiz each other to learn the names and classifications of rocks and minerals.

GRADING POLICY

QUIZES - 20 %
LABS - 40 %
TESTS - 40 %

90 – 100 - A
80 – 89  - B 70
79 -   - C
60 – 69  - D
< 60    - F

Extra Credit:

Extra credit is offered on a class wide basis and will be at my discretion. Please do not ask for individual extra credit.

Make Ups:

In the event you must be absent, you will have the number of days plus one day to make up any classwork missed. Tests must be made up within three days after returning to school due to an absence.

Cheating:

Cheating will not be tolerated. In the case of cheating, the tests of the offenders will be taken and the student will receive an “F”. The incident will be reported and the department will conduct further investigations.

Drop Date: TBD

Syllabus Change Policy

The syllabus/schedule are subject to change.
The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

**University Specific Procedures Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook. [http://www.tamuc.edu/admissions/registrar/documents/studentguidebook.pdf](http://www.tamuc.edu/admissions/registrar/documents/studentguidebook.pdf)

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: [Netiquette](http://www.albion.com/netiquette/corerules.html)

**TAMUC Attendance**

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01. [http://www.tamuc.edu/admissions/registrar/generallnformation/attendance.aspx](http://www.tamuc.edu/admissions/registrar/generallnformation/attendance.aspx)


**Academic Integrity**

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

**Undergraduate Academic Dishonesty 13.99.99.R0.03**


**Graduate Student Academic Dishonesty 13.99.99.R0.10**


**ADA Statement**

Students with Disabilities

The **syllabus/schedule are subject to change**.
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services  
Texas A&M University-Commerce  
Gee Library- Room 132  
Phone (903) 886-5150 or (903) 886-5835  
Fax (903) 468-8148  

Email: Rebecca.Tuerk@tamuc.edu  
Website: Office of Student Disability Resources and Services  
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice  
Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement  
Texas Senate Bill - 11 (Government Code 411.2031 , et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.03S and A&M-Commerce Rule 34.06.02.R1 , license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:  
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.03S, the open carrying of handguns is prohibited on all A&MCommerce campuses. Report violations to the University Police Department at 903886-5868 or 9-1-1.

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SYLLABUS

Aug 22 - Aug 24 - Earth in Space; Geologic processes and features
Aug 25 - Sept 2  - Minerals: Structure and Composition
Sept 5 - Sept 9 - Rock forming processes / Igneous Rocks & Igneous Formations
Sept 12 - Sept 15 - Volcanoes & Volcanic Processes
Sept 16 -    Test I
Sept 19 - Sept 20 - Weathering
Sept 21 - Sept 23 - Sedimentation Processes & Sedimentary Rocks
Sept 26 - Sept 29 - Metamorphic Processes & Metamorphic Rocks
Sept 30 - Test II
Oct 3 - Oct 4  - Geologic Time
Oct 5 - Oct 7  - Geologic Processes: Folds; Faults; Mountain Building
Oct 11 - Oct 14 - Earthquakes & Earth’s Interior
Oct 17 - Oct 24 Plate Tectonics
Oct 25 -    Test III
Oct 26 - Oct 31 - Mass Movement
Nov 1 - Nov 2 - Water / Streams & Floods
Nov 3 - Nov 7 - Ground Water
Nov 8 - Nov 10 - Glaciers
Nov 11 -    Test IV
Nov 14 - Nov 17 - Deserts / Wind
Nov 18 - Nov 30 - Shores & Coastal Processes
Dec 1 - Dec 5 - Human Interactions
Dec 9 -    Test V

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