Midland College Syllabus
2021 - 2022
GEOL 1405 L
Environmental Science Lab
4 Semester Credit Hours
(3 Lecture/3 Lab)
Core Curriculum Course

Instructor Information:

Instructor: Click here to enter text.
Office: Click here to enter text.
Phone: Click here to enter text.
Email:Click here to enter text.
Office Hours: Click here to enter text.

Notice: Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity may be reported as never attended and dropped from the course

Course Description:
This course is a general education course that investigates the relationship between geologic processes and human environment. The earth as a habitat is important for all organisms including human. The earth processes provide the basic physical environment for human life and society. Almost all of geology, the study of earth, might in one sense be regarded as environmental geology. However, in a narrow sense, the term environmental geology is usually related to human activities. It is the focus of this course, which includes topics such as geologic resources (metals, rocks, fossil fuels, minerals, and water), hazardous geologic processes (floods, landslides, volcanoes and earthquakes), urban and regional land use planning, and environmental challenges (waste disposal, air/groundwater pollutions, and environmental policy). Prerequisite: TSI complete in Reading.

Core Objectives:
This course fulfills four hours of the Life and Physical Science requirement in the Midland College **Core Curriculum**. The Core Curriculum is a set of courses that provide students with a foundation of knowledge, skills and educational experiences that are essential for all learning. The Core Curriculum is available in the Midland College Catalog. As part of the core, this course addresses the following four objectives:

> Inclusion Critical Thinking Skills: Students will demonstrate critical thinking skills through course assignments, instructor created and proctored regular and final exams, laboratory exercises and practical exams.

Communication Skills: Students will demonstrate communication skills through in-class questions, instructor mediated in-class/lab discussions, laboratory exercises reports, and essay questions in exams.

Empirical and Quantitative Skills: Students will demonstrate empirical and quantitative skills by recognizing and describing physical properties in order to identify minerals and rocks, and testing water quality through laboratory exercises.

Teamwork: Students will demonstrate teamwork by group discussions during laboratory exercises.

Text, References and Supplies:

Lecture Textbook: Enger and Smith, Environmental Science, 13th ed.
ISBN: 978-0073532554
Laboratory Textbook: All materials will be selected and provided as handouts by the instructor.

Student Learning Outcomes
Upon successful completion of this course, students will:

1. Apply the scientific method to environmental investigation.

2. Measure and observe aspects of the environment (e.g., air, water, soil) through sampling and sample analysis.

3. Develop an assessment plan for an environmental case study.

4. Demonstrate the collection, analysis, and reporting of data.

Student Contributions, Responsibilities and Class Policies:

Students will be expected to comply with the policies outlined in the Midland College student handbook.
Instructor policies concerning attendance and academic behavior are consistent with the policies in the student handbook (See Instructor Handout). Regular attendance is required to do well in this class.

Attendance Policy:

It is the responsibility of the students to know the policies and procedures associated with absences. These policies are set by instructors. Excused absences may include, but are not limited to, illness, severe weather, and death in the family. Instructors will determine whether or not an absence is excused. Please visit the Midland College Catalog

Withdrawal Policy:
Students who have enrolled in a Texas public institution of higher education as a first-time freshman in fall 2007 or later are permitted to drop no more than six courses during the entire undergraduate career. This limit includes all transfer work taken at a Texas institution of higher education and to second baccalaureate degrees. This statute was enacted by the State of Texas in spring 2007 (Texas Education Code 51.907). Any course that a student drops after Census Day is counted toward the six-course limit if "(1) the student was able to drop the course without receiving a grade or incurring an academic penalty; (2) the student's transcript indicates or will indicate that the student was enrolled in the course; and (3) the student is not dropping the course in order to withdraw from the institution." Please visit the Midland College Catalog.

Scholastic Dishonesty:
Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject. Please visit the Midland College Catalog

Evaluation of Students:
The final grade will be determined on the basis of: 75% from the lecture portion of the course and 25% from the laboratory portion. The proposed distribution of the course grade system is shown below.

- Lab Exercises 50%
- Lab Practicals and presentations 50%

Students will be evaluated based on the results of all coursework given throughout the semester. Your lecture instructor will inform you on the first day of class as to the tentative dates and content of the course. Students are expected to complete all assignments and exams.
Your instructor will inform you on the first day of class as to make-up procedures for missed exams and any exemption procedures if they apply (See Instructor Handout).

Course Schedule:
This class meets for 3 lecture hours per week and 3 lab hours per week. For a tentative schedule of the class meetings and material to be covered during those meetings, please refer to the schedule distributed to each student on the first class meeting (See Instructor Handout).

Non-Discrimination Statement
Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individual has been designated to handle inquiries regarding the non-discrimination policies:
Tana Baker
Title IX Coordinator/Compliance Officer
3600 N. Garfield, SSC 131

Midland, Texas 79705
(432) 685-4781
tbaker@midland.edu
For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

Americans with Disabilities Act (ADA) Statement:
Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit www.midland.edu/accommodation and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a "Notice of Accommodations" letter will be sent to instructors outlining any reasonable accommodations.

Math & Science Division Information:
Division Office: AHSF 124 (432) 685-4561
Division E-Mail: mns@midland.edu

Department Chair: Mr. Antony Giles (432) 685-4525
Dean: Dr. Miranda Poage
Secretary: Sarah Anderson
Clerk: Liliana Orcutt

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