Course Description: Physical Geology lab is designed to complement and expand on the concepts which have been or will be propounded in the lecture portion of the course. Whenever possible the lab activities will implement a “hands on” approach to Earth’s products and processes.


The student may purchase this text from the Midland College Bookstore or any retail or wholesale outlet, including any online distributors

References: The instructor will provide suggestions concerning access to reference material.

Supplies Required: The student MUST provide pencils. The use of ink pens will not be permitted. A good eraser will be very useful in the laboratory portion of the class. The instructor will provide advanced notice to students concerning other supplies needed for forthcoming lab sessions.

Course Goals/Objectives: The primary goal of the lab is to create a sense of appreciation for the physical and historical attributes of our planet, the processes by which the planet evolved, the impact of these processes on humans and how that understanding can be used in the petroleum industry. Every effort will be made to encourage students to acquire an active and enthusiastic interest in the earth sciences rather than by the imposition of knowledge by rote.

Student Contributions, and Class Policies:

1. Students will be expected to turn off electronic devices such as: cell phones and MP3 players. Students may use laptops for note taking.
2. Students will be expected to take part in active class discussions and participate in special functions when announced.
3. Attendance is required at all lab sessions and credit deductions will be made for absences unless excuses for attending scholastic related activities are provided. (To be discussed under Assignment of Lab Grades)
4. Students will be responsible for all assignments covered in the lab. Lab exercises are due at the end of the lab (if lab is scheduled for one day a week) or the end of the second lab period (if lab is scheduled for two days per week) following the initial introduction and discussion, unless otherwise specified. If a student becomes absent, he or she must ask a classmate or the instructor about missed activities. Deductions will be made for any work that is late, including makeup of lab assignments, unless approval is granted by the instructor. (To be discussed under Assignment of Lab Grades)
5. Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.
Evaluation of Students: Grading Scheme: The final grade for PTRT 2371 will be determined on the basis of: 75% from the lecture portion of the course and 25% from the laboratory portion. A proposed distribution of the lab grade system is shown below:

<table>
<thead>
<tr>
<th>Assignment of Lab Grades</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid-Term Lab Practical #1</td>
<td>25</td>
</tr>
<tr>
<td>Final Lab Practical #2</td>
<td>25</td>
</tr>
<tr>
<td>Lab Exercises</td>
<td>50</td>
</tr>
<tr>
<td>Total</td>
<td>100*</td>
</tr>
</tbody>
</table>

*This 100% will count 50% of the semester grade.

LATE EXERCISES AND PRACTICALS: A deduction of 25 points will be assessed for each day late. It is the responsibility of the student to contact the instructor to arrange to complete and/or turn-in late exercises and/or lab assignments.

Extra Credit: 10 points extra credit (added to a Lab Practical) may be earned by 100% Attendance.

Intellectual Competencies:

1. Reading - Understanding the material incorporated in the text used in this course will require the student to analyze and interpret various geological concepts.

2. Writing – Producing clear, correct and coherent one-page papers related to geologic products and processes.

4. Listening - The primary teaching methods used in this course are discussion and lecture. Understanding the oral presentation of material will require the student to analyze and interpret various geological concepts.

5. Critical Thinking - Critical thinking, as exemplified by problem solving, is inherent in the study of any geological discipline. Geological problems will be considered, discussed, and analyzed in this course.

6. Computer Literacy – Understanding computer technology by communication and accessing online course information and grades.

Objectives: 1. To understand and apply method and appropriate technology to the study of the natural sciences.
2. To identify and recognize the differences among competing scientific theories.

3. To recognize scientific and quantitative methods and the differences between these approaches and the other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.

Student Contributions and Course Policies:

1. Turn off all electronic devices such as cell phones, MP3 players, beepers and pagers unless (a) it is required for the job AND (b) the instructor is notified PRIOR to class that the device is necessary.

2. Spend at least 2 hours each week in out-of-class preparation; one hour outside the classroom for each hour of classroom instruction.

2. Attend both the lecture and lab portions of the course.

3. 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 will be reported as never attended and dropped from the course.

ADA Statement:

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

Administrative Information:

Curt Pervier, Dean Technical Studies
Lisa Hays, Division Secretary
Office: Rm. 143 TC Building
Phone: (432) 685-4676
Fax: (432) 685-6472

Students should feel free to contact the instructor at any time. Appointments are encouraged for advising and planning the most appropriate or beneficial course work.

*Syllabus subject to change as deemed necessary by the instructor to ensure learning objectives and course goals are met.
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Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm or call 1 (800) 421-3481.

Spanish
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