Midland College Syllabus
2018 - 2019
GEOL 1447L
Meteorology 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:
Survey of meteorology and related sciences. Meteorology 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 meteorology.

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:

Critical Thinking Skills – Students will demonstrate critical thinking skills by exploring the how and why of the physical processes and interactions of the earth systems by course assignments, class projects and instructor created regular and final exams.

Communication Skills – Students will demonstrate communication skills by instructor mediated discussions and student presentations.

Empirical and Quantitative Skills - Students will demonstrate empirical and quantitative skills as they calculate and assess various measurements applied to weather.

Teamwork - Students will demonstrate teamwork by group assignments in lecture and gathering and analyzing data in laboratory assignments.
Text, References and Supplies:

Student Learning Outcomes:
Four (4) broad goals are identified for the students of this course. These are:
1. To provide comprehensive knowledge of atmosphere and its changing behavior as it relates to human activities and influence our daily lives.
2. Important learning topics include: Mechanics of the Earth’s atmosphere; environmental problems related to the atmosphere; the atmospheric phenomena of temperature, moisture conditions, atmospheric stability, forms of condensation and precipitation, air pressure and winds, role of air masses, and weather patterns.
3. Acquiring knowledge of the cloud types and explain the phenomena of rainfall, fog, snow, sleet, and frost.
4. Understand the mechanism of weather analysis and forecasting.

Student Contributions, Responsibilities and Class Policies:
Students are expected to:
1. Take part in active class discussions and participate in special functions when announced.
2. Attendance is required at all lab sessions and credit deductions will be made for absences unless excused for attending scholastic related activities or other excused absences.
3. Students will be responsible for all assignments covered in the lab. If a student is absent, he or she must ask the instructor about missed activities. Deductions will be made for any work that is late, unless approval is granted by the instructor.

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.

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<tr>
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<th>Percentage</th>
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<tbody>
<tr>
<td>Lab Exercises &amp; Quizzes</td>
<td>50%</td>
</tr>
<tr>
<td>Lab Project</td>
<td>50%</td>
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</tbody>
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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).

Grades will be determined **with no exceptions** using the traditional grading ranges as follows: A=90-100, B= 80-89, C=70-79, D=60-69, F=below 60.

**Course Schedule:**
(See Instructor Handout).

**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.

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](http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm) or call 1 (800) 421-3481.
Spanish

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: 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. Para más información sobre estas políticas no discriminatorias, visite http://wdcrobcollp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.

Math/Science Division Information:
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