

## **Midland College Syllabus**

2021 - 2022

GEOL 2479 Lab

Mineralogy Lab

4 Semester Credit Hours

(3 Lecture/3 Lab)

### **Instructor Information:**

Instructor: [Click here to enter text.](#)

Phone: [Click here to enter text.](#)

Office Hours: [Click here to enter text.](#)

Office: [Click here to enter text.](#)

Email: [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:**

Introduction to physical, chemical, crystallographic properties, symmetry, and form for identification and description of minerals. Chemical and physical processes governing classification origin and occurrence of minerals and rocks. Basic theories and techniques for determining optical constants of minerals using the petrographic microscope. Prerequisite: CHEM 1411 and GEOL 1403.

### **Text, References and Supplies:**

Lecture Textbook: Perkins, *Mineralogy*, 3<sup>rd</sup> ed., Pearson. ISBN 978-0-321-66306-1

Laboratory Textbook: Lab materials will be appropriately selected and provided as handouts by your lab instructor.

### **Student Learning Outcomes:**

1. Be able to identify common rock forming minerals.
2. Understand the use of equipment and techniques for identifying and classifying minerals.
3. Understand the relationships between crystal structure, composition, and physical properties of minerals.
4. Be able to identify common sedimentary, igneous, and metamorphic rocks and their mineral constituents.
5. Use the petrographic microscope to identify the three main rock types and associated minerals.

### **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  | 30% |
| Lab Practicals | 70% |

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).

**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.

**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 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](mailto:tbaker@midland.edu);**

**Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, [nmorgan@midland.edu](mailto:nmorgan@midland.edu).**

For further information on notice of non-discrimination, visit

~~421-3481~~ <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> or call **1 (800)**

**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](mailto:tbaker@midland.edu); Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534,**

**[nmorgan@midland.edu](mailto:nmorgan@midland.edu).** Para más información sobre estas políticas no discriminatorias , visite

<http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> o llame al 1 (800) 421-3481.

**Math & Science Division Information:**

Division Office: AHSF 124

(432) 685-4561

Division E-Mail: [mns@midland.edu](mailto:mns@midland.edu)

Department Chair: Mr. Antony Giles

(432) 685-4525

Dean: Dr. Miranda Poage

Secretary: Sarah Anderson

Clerk: Sandra Thompson

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