

# ROCK AND MINERAL IDENTIFICATION GEY118- 601 CRN 20717

## FALL 2017 Syllabus

### CONTACT INFORMATION

**Instructor:** Dr. Libby Prueher

**Office Hours:** I am available before and after class, by appointment, and by email.

**Phone:** 720-260-0350 (email preferred)

**Email:** [libby.prueher@rrcc.edu](mailto:libby.prueher@rrcc.edu) (Please send from your RRCC account and please do not use the email link on D2L).

**Class time:** 8:00 am – 12:40 pm

**Class dates:** Saturday September 16, 23, and 30, 2017

**Class location:** West Building 2573

### COURSE PREREQUISITE/CO-REQUISITES

None

### COURSE DESCRIPTION:

Introduces basic information on the definition, formation, identification, and uses of rocks and minerals.

Credit hours: 1

### COURSE OBJECTIVES:

Upon completion of this course, students will be able to:

Identify minerals using physical and some optical properties

Recognize the most abundant rocks of each major rock type

List the modes of occurrence of each major rock type including localities in Colorado

### TEXTBOOK/COURSE MATERIALS

*Textbook:*

*Simon & Schuster's Guide to Rocks and Minerals*

**Other Course Materials:** In addition to the text above, a recent edition of any Physical Geology textbook or lab manual would also be useful as a reference. Some handouts of written materials will be provided for your use during class, and other references will be available on D2L. You will need a pencil, eraser, and notepaper.

### GRADES

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#### METHODS OF EVALUATION / GRADING / ASSESSMENT

Attendance & Participation: 20 points

Labs and Quizzes: 40 points

Field Trip Notes: 10 points

Final Assignment (Part 1, 2, and 3): 30 points

Total = 100 points

Remember, you will receive **ZERO** points for any missed work, and will fail the class if you are absent for more than 5 hours of class time, or be dropped if those hours are the first day.

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#### GRADING SCALE

90 - 100 % A

80 - 89 % B

70 - 79% C

60 - 69 % D

59% and below F

#### COURSE REQUIREMENTS / EXPECTATIONS

A lot of class time will involve hands-on practice with mineral and rock identification.

**Field Trips:** On **Saturday, September 16**, we will take a 30-minute field trip to look at rocks on the Red Rocks campus. We will also have a one to two hour field trips on both **Saturday, September 23 and 30** to see examples of the various rock types in the local area. All students must sign a waiver prior to the field trip, and carpooling is strongly encouraged. Further details will be given on **Saturday, September 16**.

#### Class Assignments/Exams:

**Quizzes:** There will be two quizzes in the class as noted on the class schedule. The quizzes will be open book for any PRINT notes/references you care to use.

**Labs:** There will be four sample identification labs in this class. You will identify minerals, igneous rocks, sedimentary rocks, and metamorphic rocks. The labs will be done in the classroom and you may work with one classmate. You may use your textbook in these labs and you will also be given supplementary material in class.

**Assignment:** There is one take-home assignment in this class. The take-home assignment consists of three parts. All three parts of this assignment will be completed INDIVIDUALLY (no collaboration with classmates or anyone else) but will be "open book" for any PRINT notes/references you care to use. **Part One** of the take-home assignment will be given to you at the end of the day on **Saturday, September 16**, and you will need to submit your work as a .doc, .docx, .pdf, or .rtf document using the DropBox on D2L no later than **8:00 AM on Saturday, September 20**.

**Parts 2 and 3** of the take-home assignment will be given to you at the end of the day on **Saturday, September 23**, and you will need to submit your work as a .doc, .docx, .pdf, or .rtf document using the DropBox on D2L no later than **9:00PM on Monday, October 2**.

**No late work will be accepted**, so be sure to start early and get any technical help you need with D2L well in advance of the deadline. I will have your final grades posted no later than **Thursday, October 5**.

#### ATTENDANCE POLICY

**Attendance and Participation:** Attendance for all parts of this class is mandatory. Missing 5 hours or more will result in your receiving an "F" for your final class grade, regardless of your performance on graded material. Attendance and participation also count directly as 20% of your grade when calculating your average. In addition, there will be graded activities throughout class time, and there is no make-up for any of these for which you are not present. Missing one part of class also usually makes understanding of the next part difficult or impossible, since most of what we will be doing builds upon previous activities. Furthermore, you need to arrive on time each day and after breaks. Tardiness will result in a reduction of your attendance/participation grade, up to the maximum number of points. Likewise,

sleeping during class, not pulling your weight in group activities, and any other type of “checking out” will also result in loss of these points.

Per school policy, students who do not attend the first day of class will also be dropped from the class.

## MAKE-UP / LATE WORK POLICIES / EXTRA CREDIT

**Late work will NOT be accepted and is due at the START of class!!** Extra credit is not offered in this class.

## ACADEMIC INTEGRITY STATEMENT / ACADEMIC DISHONESTY

Academic Misconduct: Plagiarizing, cheating, or committing any other form of academic misconduct including, but not limited to, unauthorized collaboration, falsification of information, and/or helping someone else violate reasonable standards for academic behavior. All students in this class will sign a pledge to be on their honor to do their own work and to follow these policies. There is a zero tolerance policy for any form of academic dishonesty in this course. Disciplinary action will be taken against any student found guilty of academic dishonesty such as cheating or plagiarism. Although you will often be working with others in lab, all written work you prepare **MUST** be your own. If your words match those of others, I will assume you copied rather than thinking about the answers yourself. The penalty for being dishonest in this way is far greater than simply getting a wrong answer. If you are unclear whether or not your actions are acceptable, please ask in advance. Students who engage in any type of academic dishonesty are subject to both academic consequences as determined by the instructor and to disciplinary action. Any student guilty of any form of academic dishonesty will receive a grade of ZERO for that assignment or exam and will be subject to additional disciplinary action, as outlined in the RRCC disciplinary procedures.

## CLASSROOM CONDUCT

Higher education classrooms may be thought of as laboratories for life. We can practice respect and tolerance of others from diverse backgrounds and learn from each other. To create a safe learning community, we hold each other to the standard of respect of treating others as we would like to be treated.

Red Rocks exists for the transmission of knowledge, development of occupational skills, and growth of students. Freedom of inquiry and expression are indispensable to the attainment of these goals. As members of the College community, students are encouraged to develop the capacity for critical judgment and to engage in a sustained search for truth. Within a safe environment, freedom of expression is possible. Safety is the responsibility of each member of the community. A safe environment depends on each individual exercising respect and expecting the same from others.

Respect is demonstrated by:

1. Being on time, prepared for class, and staying throughout the entire class period.
2. Keeping an open mind. Listening carefully without interrupting, with the goal of understanding the perspective of others.
3. Being willing to share your opinions and insights verbally and non-verbally in a manner that shows thoughtfulness about the cultural and social sensitivities of others.
4. Asking questions that are relevant to the topic and meant to elicit deeper understanding.
5. Keeping electronic tools that are not required for class participation turned off and put away.
6. Taking care of personal hygiene and dressing in a way that is not distracting to others.
7. Addressing problems or concerns in a timely and courteous fashion, offering solutions or ideas for change.

You can expect the same standards of behavior from this instructor as is expected of you!

## OTHER COURSE POLICIES

**Disruptive or Dangerous Behavior Policy:**

Persistent behavior that undermines a respectful classroom will be addressed promptly and in a fair and consistent manner. Depending on the level of disruption or danger, immediate action may be taken to restore the classroom to a productive and safe environment. This may include being asked to step outside to speak individually with the professor, being given a verbal warning, being asked to leave the classroom, a referral to the RRCC behavior intervention team, a call to campus police, or suspension from attending classes.

## IMPORTANT DATES

**STUDENTS PLEASE VERIFY YOUR SPECIFIC CENSUS AND WITHDRAW DATES IN THE DETAILED STUDENT SCHEDULE, WITH DROP & WITHDRAWAL DATE, IN THE ROCK, UNDER THE STUDENT TAB**

Census Date (last day to drop with a refund) **SEPTEMBER 17, 2017**

If you drop a class before the drop date you are not responsible for payment, and you will not lose College Opportunity Fund (COF) credits. Additionally, a dropped course will not be visible on your permanent student record. If you are on financial aid, you should consult a financial aid advisor before dropping a class.

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WITHDRAW DATE (LAST DAY TO WITHDRAW WITH A "W") **SEPTEMBER 27, 2017**

You can withdraw between the drop and withdrawal dates without affecting your grade point average. However, if you withdraw from a class you will be responsible for full payment and you will lose COF credits. If you are on financial aid, you should consult a financial aid advisor before withdrawing from a class.

## STUDENT HANDBOOK

The [RRCC Student Handbook](#) is your most current source of dates, resources, contacts, and policies.

## ACCESSIBILITY

Red Rocks Community College is committed to access for students with disabilities. If you are a student with a disability and need assistance or are interested in requesting accommodations, please contact [Accessibility Services](#). Faculty are not obligated to provide accommodations without proper notification by Accessibility Services and accommodations are not retroactive. Students may contact the Access staff by telephone or email to make an intake appointment at 303-914-6733 or [access@rrcc.edu](mailto:access@rrcc.edu). Accessibility Services is located in Suite 1182 at the Lakewood campus. More information is available at [www.rrcc.edu/accessibility-services](http://www.rrcc.edu/accessibility-services).

## NON-DISCRIMINATION STATEMENT

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution and does not discriminate on the basis of disability, race, creed, color, gender, sexual orientation, gender expression, religion, age, national origin, or ancestry, or any other category protected by applicable law. Please direct discrimination inquiries to: Red Rocks Community College, Human Resources, 13300 W 6th Avenue, Lakewood, CO 80228-1255, 303-914-6298.

## MANDATORY REPORTING STATEMENT

Our College is committed to preserving a safe and welcoming educational environment for all students. As part of this effort, I have an obligation to report certain issues relating to the health and safety of campus community members. I must report to the appropriate College officials any allegation of discrimination or harassment. Sexual misconduct, which includes sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, and sexual exploitation, is considered a form of discrimination.

In addition to reporting all discrimination and harassment claims, I must report all allegations of dating violence or domestic violence, child abuse or neglect, and/or credible threats of harm to yourself or others. Such reports may trigger contact from a College official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like more information, you may reach the Title IX/EO Coordinator: **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298 or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu)** ([arnie.oudenhoven@rrcc.edu](mailto:arnie.oudenhoven@rrcc.edu))

Reports to law enforcement can be made at the Red Rocks Campus Police Department behind the Welcome Desk at the Main Entrance or [rrpd.dispatch@rrcc.edu](mailto:rrpd.dispatch@rrcc.edu) at 303-914-6394.

If you would like a confidential resource, please contact **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298 or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu)**

Further information may be found on the college [Human Resources](http://www.rrcc.edu/human-resources/sexual-misconduct) web site: <http://www.rrcc.edu/human-resources/sexual-misconduct>.

## RRCC SYLLABUS INSERT – COLLEGE POLICIES AND ADDITIONAL INFORMATION

The RRCC SYLLABUS INSERT - COLLEGE POLICIES AND ADDITIONAL INFORMATION can be found on the Home page of every D2L course site. Please access this link for additional information and helpful links.

## TENTATIVE COURSE SCHEDULE

*On **Saturday, September 16**, we will take a 30-minute field trip to look at some rocks and geologic processes on the Red Rocks Campus. On **Saturday, September 23 and 30** we will take a 1- 2 hour field trip each day visiting local points of geologic interest. Be sure to wear clothing that is appropriate for changeable weather and footwear suitable for a little hiking. Water and sunscreen should also be brought with you.*

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### WEEK 1 – SATURDAY, SEPTEMBER 16

- Introductions and Course Overview
- Minerals
- Mineral Identification Lab
- Rocks, the Rock Cycle, Basic Plate Tectonics
- Field Trip
- Hand out Assignment 1 Part 1 (**due Saturday, September 30 at 8 am.**)

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### WEEK 2 – SATURDAY, SEPTEMBER 23

- Igneous Rocks
- Igneous Rock Identification Lab
- Minerals and Igneous Rocks Quiz
- Sedimentary Rocks
- Field Trip
- Hand out Assignment 1 Parts 2 and 3 (**Due Monday, October 2 at 9 pm.**)

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### WEEK 3 – SATURDAY SEPTEMBER 30

- Metamorphic Rocks
- Metamorphic Rock Lab
- Sedimentary and Metamorphic Rock Quiz
- Field Trip
- Putting it All Together
- Course Evaluations

## ACKNOWLEDGMENT OF THE RRCC STUDENT CONDUCT CODE GEY118– 601 FALL 2017

"I pledge to abide by the RRCC Student Conduct Code. I will be academically honest in all of my course work and will not tolerate the academic dishonesty of others."

Signature \_\_\_\_\_

Date \_\_\_\_\_

## ACKNOWLEDGMENT OF THE SYLLABUS FOR THIS COURSE GEY118 - 601 FALL 2017

"I have received the syllabus and understand the work load, grading policy, responsibilities, and expectations for this class."

Signature \_\_\_\_\_

Date \_\_\_\_\_