Every student enrolled in this online course is required to purchase a GEOL 1103 – Introductory Geology Laboratory Kit from SFA Barnes & Noble. These kits will be used daily for mineral and rock content and quizzes and for lab practical exams. They will aid in learning the physical properties of minerals and rocks and in their identification. Order these kits now or pick them up on campus so that they will be available when you begin the course content. You can either search for the course materials using the lab info GEOL 1103 or search for the ISBN 13: 2818440058219.
required to be taught in this course per the Texas Higher Education Coordinating Board (THECB), (b) How the required core objectives will be addressed.

**Core Curriculum Objective Table**

<table>
<thead>
<tr>
<th>Core Objective</th>
<th>Definition</th>
<th>How the Core Objective Will be Addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Critical Thinking Skills</strong></td>
<td>To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information</td>
<td>Identification and evaluation of unknown rock and mineral samples through pre-defined methods; analysis of trends and projection of future events concerning climate and resource usage</td>
</tr>
<tr>
<td><strong>Communication Skills</strong></td>
<td>To include effective development, interpretation and expression of ideas though written, oral, and visual communication</td>
<td>Interpretation of topographic maps and potential flooding hazards and communicate flood risks</td>
</tr>
<tr>
<td><strong>Empirical and Quantitative Skills</strong></td>
<td>To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.</td>
<td>Interpretation of resource usage data and impact on society; analysis of topographic map data;</td>
</tr>
<tr>
<td><strong>Teamwork</strong></td>
<td>To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal</td>
<td>Group identification of unknown rock and mineral samples, analysis of topographic maps</td>
</tr>
</tbody>
</table>

**Text and Materials**

Optional: No lab manual is required because there are no lab assignments (other than Worksheets), but the manuals listed below are excellent (any edition). Many Laboratory Manuals for Physical Geology are offered for purchase online, and any of them could be beneficial. However, purchase of a lab manual is *optional* and not a requirement because this course provides pertinent information. You will have an opportunity to interact and exchange (mineral identification/rock identification/topographic map) information with your classmates.

- *Laboratory Manual in Physical Geology, AGI American Geological Institute*
To aid your efforts at studying for the mineral and rock exams, I have created mineral and rock flashcards that have been formatted to fit on 3x5 inch index cards offered by Avery (product number 3588). These blank index cards can be found at office supply stores such as Office Depot, Office Max, or Staples. You can also order them here: http://www.avery.com/avery/en_us/Products/Cards/Index-Cards/. Some prior students elected to print the flashcards on 8.5x11 inch standard paper, so the choice is yours.

Grading and Evaluation

Grades are determined from a variety of assignments:

- Examinations: 3 @100 points (300 points total)
- Quizzes: 10 highest out of 11 given @10 points (100 points total)
- Worksheets: 5 highest out of 6 given @10 points (50 points total)
- Field Project: Optional 1 @15 points (15 points total)

TOTAL = 450 pts

Grades will break down as follows:

A = 405-450
B = 360-404
C = 315-359
D = 270-314
F = 269 and below

It is your responsibility to keep up with your grades, and they can always be viewed (Grades in Navigation bar). The Field Project is optional and only used as extra credit in lab or lecture (not both). Thus, you are not penalized if you elect not to submit it. Guidelines for this project are listed later in the syllabus.

The laboratory is a separate 1-hour credit, and lecture is a separate 3-hour credit. However, they are co-requisites (meaning the initial attempt requires simultaneous enrollment). You must pass both (> 60 average) to receive credit for a laboratory science. For example, if you have an 85 average in lecture, you would receive the grade "B" for completion of the 3-hour lecture portion. However, if you have a 55 average in lab, you would receive the grade "F" for non-completion of the required 1-hour lab. University requirements are that both (lab and lecture) be successfully completed. Check the requirements of your College to determine if you should repeat only the portion that was failed or both portions (lab and lecture).
If you want to determine your lab average at any point in the semester or your final lab average, follow these instructions:

- **Current** lab average:
  - Get Started Quiz is **not** included.
  - add completed quiz grade(s), worksheet grade(s), and exam grade(s)
  - divide by number completed; for example:
    - if 3 quizzes (@10 pts), 1 worksheet (@10 pts), and 1 exam (@100 pts)
      - TOTAL = 140 points
      - divide by 1.4
    - if 7 quizzes (@10 pts), 2 worksheets (@10 pts), and 2 exams (@100 pts)
      - TOTAL = 290 points
      - divide by 2.9
    - etc.

- **Final** lab average:
  - Get Started Quiz is **not** included in final grade.
  - add 10 highest quiz grades, 5 highest worksheet grades, 3 exam grades, and optional Field Project grade
  - TOTAL =
    - 450 points
    - Divide by 4.5

**Access to Content**

I give access to the content when it is listed on the Semester Calendar for each unit. Answers to quiz and exam questions will be available once every classmate has submitted their assessment, but that day is usually two days after assessments are taken.

**Examinations**

The exams will be given on the dates listed on the Semester Calendar and will consist of objective questions on the material covered in Units 1, 2, and 3 (respectively). Like the lecture exams, the lab exams can be taken up to two times with the highest attempt being saved in the gradebook. They are not cumulative, and they will be timed. The time limit will be strictly enforced with a penalty of five points per extra minute taken.

**Quizzes**

You must take the Get Started Quiz by **October 24th at 11:59 PM**. This assessment will not count toward your final grade, but you will be unable to advance in the course (open Content or take assessments) until you complete this quiz.

On the days indicated on the Semester Calendar, there will be a quiz designed to test your knowledge of the content covered in the unit to that point.

The quizzes typically contain ten objective questions and have a brief duration. As with the examinations, the time limit will be strictly enforced, with a penalty of five points per extra minute taken. Quizzes can be completed in the time limit if you are prepared, and you can view the correct quiz answers after they are due.

Note that there are eleven quizzes on the Semester Calendar, and I will drop the lowest score of those eleven quizzes.
When taking quizzes and exams, it is recommended that you save your responses as you complete each question.

Time

Remember, you are expected to spend the same amount of time on online courses that you would spend for F2F (face to face) courses. That is, expect to spend three hours per day on the lecture portion and two hours per day on the laboratory portion. In addition, reports for success indicate that two to three additional hours (per credit hour) be spent—independent of whether the class is online or F2F. In other words, 16 hours/week should be spent on lecture content and 16 hours should be spent on lab content. Many of you are working, have families, or taking other classes, so your time is limited. I have experienced the same, so I understand your position.

Due Dates

Although the class is not entirely “work-at-your-own-pace”, each unit can be completed at your own pace. The due dates on the calendar for quizzes and discussions are suggested due dates within each unit. I would recommend completing the materials and sticking with the due dates to help structure yourself. However, I understand that students may be working or dealing with issues outside class and thus will not penalize you for completing materials after the due dates. The material within each unit will close at midnight before that unit’s exam. The materials that must be completed by the due date on the calendar is the Unit Exams, the lab’s rock and mineral worksheets, and the field project and survey.

Discussions and Worksheets

In the Nav Bar (Course Tools, Discussions), two Topics are of interest. Questions are designed to accommodate general questions, and it can be a great place to exchange information with your classmates. Worksheets will function much like the lab table in a physical geology laboratory classroom. There are six graded Worksheet posts in this course. You’ll be able to exchange information about the samples in your Lab Kit and compare notes on the physical properties of your samples. For each of the. You must post your own Worksheet in order to view other students’ Worksheets, but do not post a blank or a very incomplete WS just to view what your classmates have posted. (NOTE: If you ever observe this happening, please email and make me aware. Sometime, I overlook the duplication (b/c there are more than sixty of you and one of me!), but I want to know if you notice this occurring.) After you have posted your worksheet, you can check your answers against other students’ answers and discuss any discrepancies. Your WS will be graded on the completeness of your submission. That is, if you submit a worksheet that isn’t entirely complete, you will not receive full credit. Note: The goal of the exercise is not to get every element of the Mineral/Rock Identification Worksheet correct on the first post but is instead for you to:

1. work together collectively to evaluate the samples and determine which is which, and
2. have a firm command of the physical properties of each of the minerals and rocks covered in the course.

Worksheets are only helpful if classmates communicate and exchange ideas regarding the samples’ physical properties and identification. In order for online labs to have the same breadth and rigor as F2F labs, online group interchange with WS information is akin to F2F groups to interchange at lab tables. In both cases, students are assisting each other. The greatest results occur when information is exchanged daily, so try to post your WS as early as possible, exchange information, and don’t get behind. That way, you have time to make adjustments.

I expect all posts to be professional in nature. I respond quickly when a question is asked, but if I don’t respond to a question posted to the discussion board within a day (or two days on the weekend), please
email via mySFA email (TURNERWL@sfasu.edu). I want you to always feel comfortable letting me know if you have questions.

Field Project - for extra credit in lab or lecture 15 points added, Due December 7th at midnight. An alternate written assignment will be made available with details in D2L (in the lecture section).

You’ll learn in this course that geology surrounds us. The purpose of the Field Project is:

1) to help you become more aware of the uses of various rocks and

2) to help you learn to accurately identify those rocks.

This project has several components:

First, you must locate and identify 10 different rocks in your surroundings. The samples you identify must have:

• formed naturally in the Earth (i.e. you cannot claim concrete or man-made products as samples)
• been refined (see explanation below) but still be identifiable by physical properties (that is, you cannot take a photo of a piece of drywall and count it as gypsum because you cannot identify gypsum by looking at a piece of drywall).
• please do not submit photos of:
  o chalk used on a blackboard (b/c most of it is a mixture of clay)
  o chalkboards (blackboards) (b/c most are synthetic)
  o rocks in the rock garden outside Miller Science
  o gravel-sized fragments (along train tracks, trail you walked along, or from your yard)
  o samples from the LabPaq or from a personal collection
  o minerals because the field project is focused on rock identification
• a refined rock sample would be ornamental stone sculptures, tombstones, countertops, walls, building stones, etc. in use today. Samples sold at Lowe’s, Earth ‘N’ Stone, Kiva Floors, Home Depot, etc. are not acceptable for this project.

The purpose of this field project is to look around your surroundings and notice how many rocks have been used in a refined sort of way and how easy they are to identify by using the physical properties that you have learned in lab.

For each sample:

• take two photos (see below) of the sample and include a personal object in every photo
  o personal object should not be a penny, ruler, or rock hammer. Instead, use something small and unique like a keychain, ring, toy, etc
  o personal object should not include confidential information (social security card, driver’s license number, personal address, etc.)
    ▪ purpose of including a personal object is to prevent photos from being downloaded from an internet site
• two photos:
  o one view zoomed out that displays the refined structure (tombstone, statute, etc.)
  o one view zoomed in so that I can observe physical properties and identify the sample
• photos should be clear (does not require the purchase of a quality camera)
• identify the sample and describe physical properties in photo that you used to identify
  o i.e., not generic like mineral composition, texture, etc. that could be used for a variety of rocks
- give location of sample (be as specific as possible!) so that it could be re-traced (include name of city and location where it was found, but do not include confidential information). However, you should be more specific than saying "in the creek behind my house in Dallas, Texas" or "along the railroad tracks in Nacogdoches, Texas."
- Only one example of each rock may be used. That is, if you identify granite used for a countertop for one of your samples, don't use granite on a tombstone as another sample.
- cannot use variations of one rock for multiple samples. That is, don't count red granite and grey granite as separate samples.

A word to the wise: You may want to begin this assignment early, but you will not learn all of the rocks and their physical properties until around mid-semester. You should be able to find 7-8 rock samples quickly, but the last 2 or 3 may take more time. However, 10 different rock types can be found on the SFASU campus, so this project is not impossible nor does it require a visit to campus. Refined rocks are everywhere! This project does not take exorbitant amounts of time, but don't expect to complete it the day before it is due.

You may submit your project using any format. Some students prefer:

- Google Sites
  - you can build a site without writing a single line of code, and the building process is very easy. There are many pre-built templates available, though I encourage you to keep it simple. With Google Sites, there's no need to buy or download software. It's free, simple, and easy to use! If you have never used it, there are multiple YouTube tutorials you can visit.
  - D2L will not allow you to submit a Google Sites to the Dropbox, but you can submit the URL to the site to the Dropbox. I will open it separately.
- Prezi
- Document (only submit .docx, .doc, or .pdf files)
- Power Point
- other ways not listed.

Samples of Field Projects are posted as well as the rubric used to grade them. Each posted project has strengths, yet none of them followed all of the guidelines listed. I just wanted you to observe different posts before creating your own, and you will have access to your scored rubric once all projects have been graded.

Submit your Project in the Dropbox (Course Tools in Nav Bar). A few projects are so large that they need to be submitted in parts, but 99% of them are not that large. Check the Semester Calendar for the due date. If you wish to obtain the extra credit points for the lecture section, submit the project to the lecture section dropbox. If you wish to obtain the points for the lab section, submit the project to the lab section dropbox.

News on Home page

Be sure and check (and read!) News on the Home Page frequently because that is where I post announcements and information.

Final Exam Exemption

If your final semester average is ≥93, you will be exempt from a final exam. You may be exempt from the lecture final exam and not the lab final exam (or vice versa). You must complete all of the assessments (in lecture and in lab - except for the optional Field Project) to be exempt. Check with the instructor.
before assuming exam exemption. I will send out emails the day before the final exams to those students who qualify for an exam exemption.

**Deadlines posted**

I set a lot of deadlines and restrictions in online courses. If you ever note that one of the postings appears to be erroneous, please call it to my attention. I check (and re-check, and re-check, and re-check!) the postings, but I'm human and sometime overlook the errors.

**Understanding D2L Email**

- D2L Email is not only secure, but it is spam-free as well. Keeping it secure and spam-free, though, requires keeping it a closed system.
- D2L Email is an internal (closed) system which means that you must log into D2L to read and to reply to messages.
- Users do have a "forward" option which will forward copies of messages to an external email account such as Gmail, Yahoo, mySFA, and others. However, beware that ...
  - Users may not reply to a message from an external account. An example would be that Amy has her D2L email forwarded to her Gmail account. She reads her messages from her Gmail account, and if she wishes to reply, Amy must enter D2L to reply to the message. If she attempts to reply to the D2L message from inside her Gmail account, the message will fail to send.
- D2L limits attachment size to 600kb due to server size limitations.
- Email questions should be sent to turnerwl@d2l.sfasu.edu or turnerwl@sfasu.edu

**UNIVERSITY POLICIES**

**Academic Integrity (4.1)**

The Code of Student Conduct and Academic Integrity outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy. Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities. Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.
Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

**Withheld Grades Semester Grades Policy (5.5)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course to compute the grade point average. For additional information, go to [https://www.sfasu.edu/policies/course-grades-5.5.pdf](https://www.sfasu.edu/policies/course-grades-5.5.pdf).

**Students with Disabilities**

To obtain disability-related accommodations, alternate formats, and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services promptly may delay your accommodations. For additional information, go to [http://www.sfasu.edu/disabilityservices/](http://www.sfasu.edu/disabilityservices/)

**Student Wellness and Well-Being**

SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.

If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

**On-campus Resources:**

The Dean of Students Office (Rusk Building, 3rd floor lobby)

[www.sfasu.edu/deanofstudents](http://www.sfasu.edu/deanofstudents)

936.468.7249

dos@sfasu.edu
The Health and Wellness Hub “The Hub”
Location: corner of E. College and Raguet St.

To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit. Services include:

- Health Services
- Counseling Services
- Student Outreach and Support
- Food Pantry
- Wellness Coaching
- Alcohol and Other Drug Education

Crisis Resources:

- Burke 24-hour crisis line: 1.800.392.8343
- National Suicide Crisis Prevention: 9-8-8
- Suicide Prevention Lifeline: 1.800.273.TALK (8255)
- johCrisis Text Line: Text HELLO to 741-741
## Tentative Course Calendar

### Introductory Geology Lab
**Fall II 2023**

### Unit 1: Minerals

<table>
<thead>
<tr>
<th>Days</th>
<th>Module</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/23 - 10/24</td>
<td>Getting Started</td>
<td>Getting Started Quiz Due 10/24 @ 11:59 PM</td>
</tr>
</tbody>
</table>
| 10/25 - 10/26 | Unit 1 Module 1: Mineral Physical Properties Part 1 | Quiz 1 Due 10/26 @ 11:59 PM
Mineral Identification Worksheet #1 Due 10/26 @ 11:59 PM |
| 10/27 - 10/30 | Unit 1 Module 2: Physical Properties Part 2 | Quiz 2 Due 10/30 @ 11:59 PM
Mineral Identification Worksheet #2 Due 10/30 @ 11:59 PM |
| 10/31 - 11/1  | Unit 1 Module 3: Physical Properties Review | Quiz 3 Due 11/1 @ 11:59 PM
Mineral Identification Worksheet #3 Due 11/1 @ 11:59 PM |
| 11/2 - 11/3   | Unit 1 Review & Unit 1 Mineral Exam    | Review Unit Material
Unit 1 Exam Due 11/3 @ 11:59 PM |

### Unit 2: Rocks

<table>
<thead>
<tr>
<th>Days</th>
<th>Module</th>
<th>Assignments</th>
</tr>
</thead>
</table>
| 11/6 - 11/7   | Unit 2 Module 1: Igneous Rocks        | Quiz 4 Due 11/7 @ 11:59 PM
Igneous Rocks Worksheet Due 11/7 @ 11:59 PM |
| 11/8 - 11/9   | Unit 2 Module 2: Sedimentary Rocks   | Quiz 5 Due 11/9 @ 11:59 PM
Sedimentary Rocks Worksheet Due 11/9 @ 11:59 PM |
| 11/10 - 11/13 | Unit 2 Module 3: Metamorphic Rocks   | Quiz 6 Due 11/13 @ 11:59 PM
Metamorphic Rocks Worksheet Due 11/13 @ 11:59 PM |
| 11/14 - 11/15 | Unit 2 Module 4: Rocks in Your Head Review | Quiz 7 Due 11/15 @ 11:59 PM |
| 11/16 - 11/17 | Unit 2 Review & Unit 2 Rock Exam     | Review Unit Material
Unit 2 Exam Due 11/17 @ 11:59 PM |

### Unit 3: Topographic Maps
<table>
<thead>
<tr>
<th>Days</th>
<th>Module</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/27 - 11/28</td>
<td>Unit 3 Module 1: Location</td>
<td>Quiz 8 Due 11/28 @ 11:59 PM</td>
</tr>
<tr>
<td>11/29 - 11/30</td>
<td>Unit 3 Module 2: Contouring</td>
<td>Quiz 9 Due 11/30 @ 11:59 PM</td>
</tr>
<tr>
<td>12/1 - 12/4</td>
<td>Unit 3 Module 3: River and Arid Maps</td>
<td>Quiz 10 Due 12/4 @ 11:59 PM</td>
</tr>
<tr>
<td>12/5 - 12/6</td>
<td>Unit 3 Module 4: Groundwater and Glaciation Maps</td>
<td>Quiz 11 Due 12/6 @ 11:59 PM</td>
</tr>
<tr>
<td>12/7 - 12/8</td>
<td>Unit 3 Review</td>
<td>Field Project and Course Survey Due 12/7 @ 11:59 PM</td>
</tr>
<tr>
<td>12/11 - 12/13</td>
<td>Unit 3 Exam</td>
<td>Unit 3 Exam Due 12/13 @ 11:59 PM</td>
</tr>
</tbody>
</table>