MAYVILLE STATE UNIVERSITY

Geol 115L Introductory Geology Lab

Jeff Hovde

Fall 2024

Semester Hours: 1

Contact Info:

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Hours of availability: By appointment
Instruction Mode: Online asynchronous
Time Zone: Central Standard Time

Course Description: An introductory course lab which includes principles of physical and historical geography in three hours of lecture and a lab with field. Topics include rock and mineral classification, plate tectonics, processes that shape the Earth's surface, the origin of the Earth, history of the land masses, and evolution of plant and animal life.

Purpose of the Course

The purposes of Introductory Geology Lab include meeting the expectations of a MSU and North Dakota University System 'general education laboratory science' requirement and System 'common course', developing an understanding of basic geological principles, laying the foundation for future science courses, and developing a general appreciation of geology (and science) and its role in today's society.

Course Objectives

The goals of the MSU Science program are to present current information on aspects of the physical world and to develop logical reasoning, sometimes mathematical, relating one process to another. Introductory Geology prepares students to explain the basic principles of geology and its relationships to other disciplines, to describe different scientific models and how these models are used to stimulate scientific inquiry, and to identify the assumptions and limitations of scientific writing/reporting.

Students who have completed this course should, as aligned to Composite Science Education Program Approval Standards through North Dakota's Education Standards and Practices Board (ND ESPB):

1. Understand how tectonic and hydrologic systems have played a major part in the Earth's history.
2. Identify rocks and minerals based on characteristics and describe the conditions necessary to form them.
3. Understand the connection between volcanoes, earthquakes, and plate tectonics..
4. Identify and correctly use geological terminology.
5. Acquire an appreciation for the timescale in which geological events occur.

Standards Alignment (Composite Science Education Program Approval Standards-ND ESPB):

- 13047.1 Composite Science Major/General Science The composite/general science program requires that environmental science be incorporated within other courses or as a separate course. The composite/general science program requires:1. Coursework in biology, chemistry, physics, and earth science, including: a. Minimum of twenty four semester hours in one area, b. Minimum of twelve semester hours in two other areas, c. Minimum of four semester hours in the fourth area, d. Courses must be from those that the institution allows toward graduation in the science major. 2. Study of mathematics through the pre-calculus level (college algebra and above) and statistics

Course Improvements Based on Most Recent Assessment Findings

This course will be assessed in the future (based on the 2019-2025 assessment curriculum map) and the findings will be reported in this syllabus.

Required/Recommended Materials

This course requires a lab kit purchased from the Mayville State University bookstore or Science Interactive.

This is the Student Enrollment Link: https://myhol.holscience.com/enroll/mkdr-bpbz-nrts-bncp

Learning Experiences

- Assignments will be given via the Detailed Schedule.

Expectations/Protocols

I do not accept any late work.

Do not email me to inform me of the grade you need for the course.

I will reply to all student emails within 48 hours. Email is the best way to contact me. I will grade any necessary assignment within 48 hours.

Instructor/Student Communication

- Students are accountable for all academic communications sent to their Mayville State University e-mail address.
- I will communicate through email and announcements in Blackboard.

Method of Evaluation/Grading

- I will grade your work within 1 week.
- Assignments are not weighted.

Course Grading:

Total Points: 210 pts

90 – 100%	A
80 – 89.9%	B
70 – 79.9%	C

60 – 69.9% D

Final Test: None

Enrollment Verification
The U.S. Department of Education requires instructors of online courses to provide an activity which will validate student enrollment in this course. The only way to verify that a student has been in this course is if he or she takes an *action* in Blackboard, such as completing an assignment or a taking a quiz. Logging into Blackboard is **NOT** considered attendance. Please see my enrollment verification activity and complete it by the date indicated. If it is not complete your enrollment in this course will be at risk.

Proctor Notification:
A proctor is not required for Chem 121 Lab.

Important Student Information
Navigate to Blackboard > MaSU tab > Student Resources tab to find a document entitled, "Important Student Information," which includes information about:

- ✓ Academic Grievance Concerns and Instructor English Proficiency
- ✓ Starfish - Student Success System
- ✓ Students with Documented Disabilities
- ✓ Academic Honesty
- ✓ Emergency Notification
- ✓ Continuity of Academic Instruction for a Pandemic or Emergency
- ✓ Family Educational Rights and Privacy Act of 1974 (FERPA)
- ✓ Diversity Statement

A listing of important University policies related to courses and coursework, *Important Student Information*, is posted on the class Blackboard site.

Course Timeline/Schedule:
The following is a schedule of due dates.

Introduction Forum	September 3rd	On SI 11:59p.m. cst
Getting Started	October 1st	On SI 11:59p.m. cst
Laboratory Safety/Kit Inventory	October 8th	On SI 11:59p.m. cst
Field Investigation Project	October 15th	On SI 11:59p.m. cst
Weather and Sedimentary	October 22nd	On SI 11:59p.m. cst
Topographic Maps	October 29th	On SI 11:59p.m. cst
Earthquakes and Volcanoes	November 5th	On SI 11:59p.m. cst
Igneous Rock Identification	November 12th	On SI 11:59p.m. cst
Metamorphic Rock ID	November 19th	On SI 11:59p.m. cst
Minerology and ID	November 26th	On SI 11:59p.m. cst
Plate Tectonics	December 3rd	On SI 11:59p.m. cst

Final Test: None

The above schedule and procedures in this course are subject to change with prior notice given to students in the event of extenuating circumstances.