

# GEOL 100: EARTH MATERIALS - ROCKS AND MINERALS

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## In Workflow

1. GEOL Committee Chair (steven.skinner@csus.edu)
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3. NSM College Committee Chair (mikkel.jensen@csus.edu)
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9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Mon, 16 Oct 2023 22:21:16 GMT  
Steven Skinner (steven.skinner): Approved for GEOL Committee Chair
2. Mon, 16 Oct 2023 23:13:47 GMT  
Steven Skinner (steven.skinner): Approved for GEOL Chair
3. Wed, 18 Oct 2023 22:20:40 GMT  
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Thu, 19 Oct 2023 15:27:08 GMT  
Shannon Datwyler (datwyler): Approved for NSM Dean
5. Wed, 01 Nov 2023 23:19:55 GMT  
Katie Hawke (katiedickson): Approved for Academic Services

## History

1. Oct 4, 2023 by 101033396

Date Submitted: Mon, 16 Oct 2023 16:38:48 GMT

**Viewing: GEOL 100 : Earth Materials - Rocks and Minerals**

**Last approved: Wed, 04 Oct 2023 15:12:03 GMT**

**Last edit: Wed, 18 Oct 2023 22:19:08 GMT**

Changes proposed by: Amy Wagner (216313696)

**Contact(s):**

Name (First Last)	Email	Phone 999-999-9999
Amy Wagner	amy.wagner@csus.edu	916-278-5136

**Catalog Title:**

Earth Materials - Rocks and Minerals

**Class Schedule Title:**

Earth Materials-Rocks&Minerals

**Academic Group: (College)**

NSM - Natural Sciences & Mathematics

**Academic Organization: (Department)**

Geology

**Will this course be offered through the College of Continuing Education (CCE)?**

No

**Catalog Year Effective:**

Fall 2024 (2024/2025 Catalog)

**Subject Area: (prefix)**

GEOL - Geology

**Catalog Number: (course number)**

100

**Course ID: (For administrative use only.)**

135076

**Units:**

4

**Is the only purpose of this change to update the term typically offered or the enforcement of existing prerequisites at registration?**

No

**In what term(s) will this course typically be offered?**

Fall term only

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

Updating term course offered and adding a GEOL pre-requisite to avoid confusion when students are registering for courses.

This course does have a field trip and a field trip fee has been approved so I'm unsure as to why it is still showing "No" for fee course. The Geology department is trying to resolve this issue.

A field trip fee has been approved for this course but I am unable to change the Fee course designation in workflow.

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

Properties and identification of minerals and rocks; rock formation and the rock cycle. Lecture three hours; laboratory three hours; Field Trip.

**Are one or more field trips required with this course?**

Yes

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Is this course designated as Curricular Community Engaged Learning?**

No

**Does this course require safety training?**

Yes

**Does this course require personal protective equipment (PPE)?**

Yes

**Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)**

This course requires safety training and personal protective equipment (PPE).

**Does this course have prerequisites?**

Yes

**Prerequisite:**

CHEM 1A, GEOL 10 and GEOL 10L or GEOL 5, GEOL 11, GEOL 12 and 12L (GEOL 11 and GEOL 12/12L can be taken concurrently)

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

No

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Laboratory  
Lecture

**Laboratory Classification**

CS#16 - Science Laboratory (K-factor=2 WTU per unit)

**Laboratory Units**

1

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture Units**

3

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

No

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes and Assessment Strategies:**

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Use physical properties to identify common rock-forming and economically important minerals	-Lab assignments -Quizzes -Lab Exams -Lecture Exams -Project
2	Associate families of minerals by chemical composition and molecular structure	-Lab assignments -Quizzes -Lab Exams -Lecture Exams -Project
3	Recognize the geologic processes and settings of mineral formation	-Lab assignments -Quizzes -Lab Exams -Lecture Exams -Project

4	Identify representative samples of igneous, sedimentary, and metamorphic rocks	-Lab assignments -Quizzes -Lab Exams -Lecture Exams -Project -Field Trip
5	Describe the geologic stories that rocks tell (their environment of formation)	-Quizzes -Lecture Exams -Project -Field Trip
6	Appreciate how rocks are used to understand Earth history (familiarity with absolute dating techniques)	-Quizzes -Lecture Exams -Project
7	Associate rock types with plate tectonic settings	-Quizzes -Lecture Exams -Project -Field Trip

**Attach a list of the required/recommended course readings and activities:**

Geology 100 Readings and Activities.docx

**Is this course required in a degree program (major, minor, graduate degree, certificate?)**

Yes

**Has a corresponding Program Change been submitted to Workflow?**

No

**Identify the program(s) in which this course is required:**

- Programs:**
- BA in Geology
  - BS in Geology (General Geology)
  - BS in Geology (Hydrogeology)
  - BA in Earth Science

**Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?**

No

**Will there be any departments affected by this proposed course?**

No

**I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.**

I/we agree

**University Learning Goals**

**Undergraduate Learning Goals:**

- Competence in the disciplines
- Knowledge of human cultures and the physical and natural world
- Intellectual and practical skills

**Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

**GE Course and GE Goal(s)**

**Is this a General Education (GE) course or is it being considered for GE?**

No

Key: 2354