

# GEOL 111B: FIELD TECHNIQUES

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## In Workflow

1. GEOL Committee Chair (steven.skinner@csus.edu)
2. GEOL Chair (steven.skinner@csus.edu)
3. NSM College Committee Chair (mikkel.jensen@csus.edu)
4. NSM Dean (datwyler@csus.edu)
5. Academic Services (catalog@csus.edu)
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7. Dean of Undergraduate (gardner@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 23:30:45 GMT  
Steven Skinner (steven.skinner): Approved for GEOL Committee Chair
2. Mon, 16 Oct 2023 23:32:30 GMT  
Steven Skinner (steven.skinner): Approved for GEOL Chair
3. Wed, 18 Oct 2023 22:26:24 GMT  
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Thu, 19 Oct 2023 15:27:13 GMT  
Shannon Datwyler (datwyler): Approved for NSM Dean
5. Wed, 01 Nov 2023 23:20:48 GMT  
Katie Hawke (katiedickson): Approved for Academic Services

Date Submitted: Mon, 16 Oct 2023 22:20:04 GMT

### Viewing: GEOL 111B : Field Techniques

Last edit: Wed, 18 Oct 2023 22:25:57 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:

Field Techniques

#### Class Schedule Title:

Field Techniques

#### 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)

111B

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

135181

**Units:**

2

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

No

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

Spring term only

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

No, final exam does not require a room (Last Class)

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

Yes

**Justification for course proposal:**

Fixing course classification and update course description. New course learning objectives.

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

Geologic field methods including descriptions of rocks, geologic mapping, observation, interpretation and geologic report writing. Detailed mapping techniques will also be covered. Consists of off-campus fieldwork.

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

Yes

**Fee Course?**

Yes

**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:**

GEOL 100 and GEOL 103. GEOL 103 may be taken concurrently.

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

Yes

**Corequisite:**

GEOL 111A

**Corequisites Enforced at Registration?**

Yes

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

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

Field Studies

**Field Studies Classification**

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

**Field Studies Units**

2

**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	Create a geologic map of a study area using field observations and standard geologic tools.	Geologic map, field report
2	Interpret the evolution of depositional environments through field observations and construction of a stratigraphic column.	Stratigraphic column, field report
3	Predict subsurface geology by construction of a cross section from the geologic map.	Cross-section, field report
4	Document field observations using field notes written in a structured format.	Notebook check, field report
5	Produce a written field report documenting the stratigraphy, structure, and geologic history of an area.	Field report

**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  
Intellectual and practical skills  
Integrative learning

**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

**Please attach any additional files not requested above:**

SYLLABUS\_111b\_sp23.docx

Key: 2362