

GEOL M122: INDEPENDENT STUDY - GEOLOGY

Originator

rputnam

College

Moorpark College

Discipline (CB01A)

GEOL - Geology

Course Number (CB01B)

M122

Course Title (CB02)

Independent Study - Geology

Banner/Short Title

Independent Studies - Geology

Credit Type

Credit

Start Term

Fall 2022

Formerly

GEOL M22A - Independent Study-Geol

Catalog Course Description

Allows independent study for students who wish to extend their knowledge of a particular area of geology through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor. Interested students should contact a geology instructor for assistance in developing a contract for learning about a specific topic.

Additional Catalog Notes

Transfer credit: CSU (UC - determined after admission)

Taxonomy of Programs (TOP) Code (CB03)

1914.00 - Geology

Course Credit Status (CB04)

D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)

B (Transferable to CSU only)

Course Basic Skills Status (CB08)

N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)

E - Non-Occupational

Course Cooperative Work Experience Education Status (CB10)

N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)

Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)

N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)

Y - Not Applicable

Course Noncredit Category (CB22)

Y - Credit Course

Funding Agency Category (CB23)

Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)

2 - Not Program Applicable

General Education Status (CB25)

Y - Not Applicable

Support Course Status (CB26)

N - Course is not a support course

Field trips

May be required

Faculty notes on field trips; include possible destinations or other pertinent information

Field trips may be needed to visit sites of study. This includes: Ventura county beaches, Long Canyon (Simi Valley), Wildwood Park (Thousand Oaks), Tarantula Hill (Thousand Oaks), Malibu Creek State Park (Calabasas)

Grading method

(L) Letter Graded

Alternate grading methods

(O) Student Option- Letter/Pass

(P) Pass/No Pass Grading

Does this course require an instructional materials fee?

No

Repeatable for Credit

No

Is this course part of a family?

No

Units and Hours

Carnegie Unit Override

No

In-Class

Lecture

Activity

Laboratory

Minimum Contact/In-Class Laboratory Hours

26.25

Maximum Contact/In-Class Laboratory Hours

157.5

Total in-Class

Total in-Class

Total Minimum Contact/In-Class Hours

26.25

Total Maximum Contact/In-Class Hours

157.5

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class

Total Student Learning

Total Student Learning

Total Minimum Student Learning Hours

26.25

Total Maximum Student Learning Hours

157.5

Minimum Units (CB07)

.5

Maximum Units (CB06)

3

Prerequisites

Completion of one course in Geology and instructor approval

Requisite Justification

Requisite Type

Prerequisite

Requisite

One course in geology

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Other (specify)

Specify Other Level of Scrutiny/Justification

Basic understanding of the discipline is needed to do independent research on the topic.

Student Learning Outcomes (CSLOs)

Upon satisfactory completion of the course, students will be able to:

1 use geologic data to evaluate and solve geologic problems.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

- | | |
|---|---|
| 1 | identify geologic problems and develop testable hypotheses. |
| 2 | formulate statements designed to assess the applicability of their knowledge to other related topics. |
| 3 | analyze new data and conduct further research to assess the accuracy of their research and findings. |
| 4 | collect geologic data in a lab and/or field setting and maintain a record of it for analysis. |

Course Content

Lecture/Course Content

n/a

Laboratory or Activity Content

100% Project content and specific topics will be determined by the student in consultation with the supervising faculty member.

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Written expression
Problem solving exercises
Skills demonstrations

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Essay exams
Group projects
Individual projects
Oral analysis/critiques
Portfolios
Reports/papers
Research papers
Skills demonstrations
Other (specify)
Projects
Reports/Papers/Journals

Other

Evaluation methods will be determined by the supervising faculty member in consultation with the student.

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Distance Education
Field trips
One-on-one conference
Readings
Other (specify)

Specify other method of instruction

The specific methods to be used will be determined by the supervising faculty member in consultation with the student.

Representative Course Assignments

Writing Assignments

- Writing essays, research reports, fieldwork reports, and literature reviews; to be determined in consultation between the instructor and the student
- Keeping of field notebooks and/or lab notebooks

Critical Thinking Assignments

Projects to be determined in consultation between instructor and student.

Reading Assignments

Reading assignments will depend upon the nature of the project.

Skills Demonstrations

Skills demonstrations will depend upon the nature of the project.

Outside Assignments**Representative Outside Assignments**

- Projects to be determined in consultation between instructor and student.
- Researching and writing literature reviews.

District General Education**A. Natural Sciences****B. Social and Behavioral Sciences****C. Humanities****D. Language and Rationality****E. Health and Physical Education/Kinesiology****F. Ethnic Studies/Gender Studies****Course is CSU transferable**

Yes

CSU Baccalaureate List effective term:

F2011

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type

Other Resource Type

Description

Specific books, articles, or other reference materials will be determined by the supervising faculty member in consultation with the student.

Library Resources

Assignments requiring library resources

Literature review or other research using the library's print or online resources.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Literature review in support of an applied geology research project.

Distance Education Addendum

Definitions

Distance Education Modalities

Hybrid (1%–50% online)
Hybrid (51%–99% online)
100% online

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

Regular Effective/Substantive Contact

Hybrid (1%–50% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	The faculty advisor may post discussion topics regarding the student project or the internship learning objectives and encourage dialog. These discussion topics may aim to probe and assess student knowledge and progress, or lead the student to explore new concepts and experiment with novel approaches to either problem solving or conquering the learning objectives.
E-mail	The faculty advisor and the student may utilize emails to communicate regularly about a variety of matters including but not limited to upcoming meetings, events, due dates, project details, etc. The student may also email the faculty advisor any documents about the project which will require an action on the part of the faculty advisor.
Face to Face (by student request; cannot be required)	The student may request face-to-face meetings with the advisor to discuss any issues of concern regarding either the learning outcomes of the project, the work environment, or obstacles that are hindering the student's progress. Additionally, the student may request a face-to-face meeting perhaps to demonstrate a skill that the student has learned, or the operation of a device that the student has built, or an art piece that the student has created.
Synchronous Dialog (e.g., online chat)	The faculty advisor may schedule online meeting times with the student to discuss the student's learning objectives, have a dialogue about the student's progress, clarify expectations, or answer questions. The faculty advisor may also meet online with the student and the work site supervisor to discuss the student's contributions to the work place, and any areas of strength or concerns that would help the faculty advisor better guide the student's experience.
Video Conferencing	The faculty advisor and the student may utilize video conferencing for lessons, discussions, collaborations, or Q/A sessions. Video conferencing may also be utilized for student progress and student work assessment and evaluation where the student can illustrate and discuss the outcomes of the learning objectives.

Hybrid (51%–99% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	The faculty advisor may post discussion topics regarding the student project or the internship learning objectives and encourage dialog. These discussion topics may aim to probe and assess student knowledge and progress, or lead the student to explore new concepts and experiment with novel approaches to either problem solving or conquering the learning objectives.

E-mail	The faculty advisor and the student may utilize emails to communicate regularly about a variety of matters including but not limited to upcoming meetings, events, due dates, project details, etc. The student may also email the faculty advisor any documents about the project which will require an action on the part of the faculty advisor.
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100% online Modality:**Method of Instruction****Document typical activities or assignments for each method of instruction**

Asynchronous Dialog (e.g., discussion board)	The faculty advisor may post discussion topics regarding the student project or the internship learning objectives and encourage dialog. These discussion topics may aim to probe and assess student knowledge and progress, or lead the student to explore new concepts and experiment with novel approaches to either problem solving or conquering the learning objectives.
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Examinations**Hybrid (1%–50% online) Modality**

On campus

Online

Hybrid (51%–99% online) Modality

On campus

Online

Primary Minimum Qualification

EARTH SCIENCE

Review and Approval Dates

Department Chair

11/15/2021

Dean

11/16/2021

Technical Review

11/18/2021

Curriculum Committee

12/07/2021

DTRW-I

MM/DD/YYYY

Curriculum Committee

MM/DD/YYYY

Board

MM/DD/YYYY

CCCCO

MM/DD/YYYY

Control Number

CCC000452458

DOE/accreditation approval date

MM/DD/YYYY