

**ERTHS 49 Course Outline as of Summer 2021****CATALOG INFORMATION**

Dept and Nbr: ERTHS 49 Title: INDEPENDENT STUDY

Full Title: Independent Study in Earth Sciences

Last Reviewed: 4/10/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	1.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	1.00		Contact DHR	17.50
		Contact Total	1.00		Contact Total	17.50
		Non-contact DHR	8.00		Non-contact DHR	140.00

Total Out of Class Hours: 0.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Independent study in an Earth Science or Astronomy related discipline by literature, field, or laboratory research. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.)

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:**

Approval of the project proposal (including a written description of project objectives and methods) by sponsoring faculty, Department Chair, and Supervising Administrator.

**Schedule of Classes Information:**

Description: Independent study in an Earth Science or Astronomy related discipline by literature, field, or laboratory research. UC determines credit AFTER transfer; not counted for admission. (See a counselor for details.) (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: Approval of the project proposal (including a written description of project objectives and methods) by sponsoring faculty, Department Chair, and Supervising Administrator.

Transfer Credit: CSU;UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>			Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>			Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>			Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:	
<b>UC Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:	

**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Expand acquired classroom knowledge and apply critical thinking skills through self-designed study, independent research, and presentation of information.

### **Objectives:**

During this course, students will:

1. Plan an independent study project in an Earth Science or Astronomy related discipline.
2. Conduct the study by means of literature research, field work, or laboratory work.
3. Present the results of the study in a written and/or oral format.

### **Topics and Scope:**

Content will vary with the student, but will build upon the department's regular offerings and capitalize on the student's special interests or abilities.

### **Assignment:**

Will be arranged by agreement between the student and instructor.

### **Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Literature reports, term papers	Writing 1 - 100%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
None	Problem solving 0 - 0%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Specified in student's proposal	Skill Demonstrations 0 - 99%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
None	Exams 0 - 0%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
Oral presentation of research results	Other Category 0 - 99%

**Representative Textbooks and Materials:**  
 Texts will vary with content.