

**CEST 98 Course Outline as of Fall 2023****CATALOG INFORMATION**

Dept and Nbr: CEST 98      Title: INDEPENDENT STUDY  
 Full Title: Independent Study in Civil and Surveying Technology  
 Last Reviewed: 11/14/2022

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	5	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: CET 98

**Catalog Description:**

In this course students will perform independent study on a chosen area of civil engineering, surveying or geospatial technology through independent study and research.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: In this course students will perform independent study on a chosen area of civil engineering, surveying or geospatial technology through independent study and research. (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

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>		Effective:		Inactive:	

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

**Student Learning Outcomes:**

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

1. Expand their knowledge base in a chosen area of civil engineering, surveying or geospatial technology through independent study and research.

**Objectives:**

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

1. Design a civil engineering, surveying, or geospatial technology-related independent study project
2. Perform research, analysis, problem solving, field and office work, relevant to the project
3. Present the results of the study in written, visual, and/or oral format

**Topics and Scope:**

Topics, scope, and sequence will depend on the specific subject material to be proposed.

**Assignment:**

Specific project will be arranged by agreement of both student and instructor involving a project with written deliverables, oral presentations, and/or field work.

**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.

Project with written deliverables
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Writing 1 - 100%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving  
0 - 0%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Project with oral presentation or fieldwork

Other Category  
0 - 99%

**Representative Textbooks and Materials:**  
Instructor prepared materials