

CE 170L: SOIL MECHANICS LABORATORY

In Workflow

1. CE Committee Chair (j.garcia@csus.edu)
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3. ECS College Committee Chair (abadi@csus.edu)
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9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (w lindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Sat, 17 Sep 2022 22:00:05 GMT
Jose Garcia (j.garcia): Approved for CE Committee Chair
2. Sun, 18 Sep 2022 00:25:52 GMT
Ghazan Khan (khan): Approved for CE Chair
3. Mon, 03 Oct 2022 04:08:51 GMT
Masoud Ghodrat Abadi (abadi): Approved for ECS College Committee Chair
4. Wed, 05 Oct 2022 16:05:58 GMT
101010646: Approved for ECS Dean

History

1. Sep 16, 2022 by Richard Armstrong (richard.armstrong)

New Course Proposal

Date Submitted: Fri, 16 Sep 2022 22:37:21 GMT

Viewing: CE 170L : Soil Mechanics Laboratory

Last approved: Fri, 16 Sep 2022 22:36:15 GMT

Last edit: Mon, 03 Oct 2022 04:08:24 GMT

Changes proposed by: Julie Fogarty (218645519)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Ghazan Khan	khan@csus.edu	916-278-3886

Catalog Title:

Soil Mechanics Laboratory

Class Schedule Title:

Soil Mechanics Laboratory

Academic Group: (College)

ECS - Engineering & Computer Science

Academic Organization: (Department)

Civil Engineering

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

No

Catalog Year Effective:

Fall 2023 (2023/2024 Catalog)

Subject Area: (prefix)

CE - Civil Engineering

Catalog Number: (course number)

170L

Course ID: (For administrative use only.)

203302

Units:

1

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, Spring

Does this course require a room for its final exam?

No, final exam does not require a room

This course complies with the credit hour policy:

Yes

Justification for course proposal:

Changed CE 101 to be a concurrent prerequisite to remove structural barrier to student success and align all upper-division CE core courses (CE 130/140/150/160/170 and labs) as CE 150/150L already has CE 101 as a concurrent prerequisite. While skills gained from CE 101 are relevant to upper-division CE students, the course content can be taken at the same time as their core courses.

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

Laboratory course that supports CE 170. Activities include soil testing and analysis of geotechnical site investigation data. Laboratory three hours.

Are one or more field trips required with this course?

No

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

Does this course have prerequisites?

Yes

Prerequisite:

Complete CE 1, CE 100, CE 101, ENGR 112, CE 170. CE 170 may be taken concurrently. CE 101 may be taken concurrently. WPJ Score of 70+ or equivalent. Not currently enrolled in CE 170L.

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

Laboratory Classification

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

Laboratory Units

1

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	Select the appropriate soil tests for a specific type of geotechnical engineering design or analysis application	Laboratory assignments
2	Perform common soil tests to identify physical and mechanical properties of soils	Laboratory assignments
3	Recognize American Society for Testing and Materials (ASTM) standards for applicable soil tests	Laboratory assignments
4	Apply laboratory test results to problem identification, quantification, and design	Laboratory assignments
5	Interpret soil test results and develop a technical report summarize the key finding	Laboratory assignments
6	Demonstrate the ability to write clear technical lab reports	Laboratory assignments
7	Apply ethical decision making and professional conduct in the lab and field environment	Laboratory assignments

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

CE_170L_Course_Syllabus-v2.pdf

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

Yes

Has a corresponding Program Change been submitted to Workflow?

Yes

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

BS in Civil Engineering

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
Integrative learning
Personal and social responsibility
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: 14130