

CALIFORNIA STATE UNIVERSITY LONG BEACH  
Core Competency Assessment Report (for Undergrad Programs)  
(rev. 3/2019)

Academic Year: 2018-19

Degree Program Name: Bachelor of Science in Civil Engineering and Bachelor of Science in Construction Management

Department Name: Civil Engineering and Construction Engineering Management (CECEM)

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1. Which WSCUC core competency for this degree program

**PLO a in the BSCE Program**

PLO a in the CE Program is related to ABET Student Outcome a :” An ability to apply knowledge of mathematics, science and engineering”.



The table below shows typical assessment results for the CLO#6 (or PLO#4/SLO#4) for the course CEM 490 in Spring 2019.

6	Participation	84.8	83	
	Assignments	85.5		
	Term Project	82.8		
	Final Exam	77.7		

The assessment of the course learning outcomes/objectives (CLOs) was done by the following direct assessment tools: Participation, Assignments, Term Project, and Final Exam

- Participation: (84.78%) Number of attendance of students to the all session.
- Assignments: (85.49%) The sum of all assignments and quizzes to the total obtainable grades.
- Term Project: (82.79%) The evaluation of projects by one industry judge, one academic judge, and myself based on skill of presentation, site logistic plan, design/BIM, estimating, scheduling, and safety plan.
- Final Exam: (77.70%) Sum of all students' grade to the maximum obtainable grade.

**Discussions:**

Overall performance is satisfactory.

Improvement of preparing recap sheet and prepare the bid package as well as site logistic plan. Assign some session for site logistic plan and inviting guest lectures from industry to share their knowledge and experience.

5. How will you use the results used for improving student learning (how are you "closing the loop")?

