Academic Program Assessment
AY 2025-2026 [Due 6/1/26]

Program Name	Date Completed
Civil Engineering	**6/1/2026**
Report Completed By	Report Contributors
Md Rashad Islam	**Faculty teaching CE and CET courses (Drs. Kalevela, Faisal, Gupta and Gulzar)**
Brief Statement of Program Mission and Goals	
The objective of the BSCE program is to provide an integrated educational experience so that its graduates: • successfully enter as entry-level engineers or planners and continue practicing in different civil engineering areas • continue rapid, life-long learning for professional growth and/or higher-level education in different civil engineering areas	

Table I Closing the Loop

Report on at least one data-informed change to your curriculum during AY 2025-2026 that was implemented to improve student learning, in response to prior assessment cycles or other data.

A. Describe issues or SLOs addressed in the AY 2025-2026 cycle. Paste SLOs verbatim below.
SLO 1. to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics SLO 2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors SLO 3. an ability to communicate effectively with a range of audience
B. In which prior academic year and semester was this SLO last assessed to generate data that informed the change(s) this year?
AY 2025-2026 is the first time these SLOs were assessed as BSCE program is new and started in AY 2024-2025.
C. What were the recommendations for change in the previous cycle?
No specific recommendation was made for improving the SLOs as that was the first time, we assessed these three outcomes. However, it was quoted that the program had only two students and more students are expected in future, which will offer a better evaluation of the outcomes. Some other comment was made that there is a shortage of CE faculty and the university was in the process of recruiting a faculty. In fact, the program has recruited a new faculty who is expected in the fall of 2026. Another comment on more hands-on activities was recommended. To do so, two new laboratories have been created: Asphalt Laboratory and Environmental Engineering laboratories. Therefore, we closed the loop by taking actions on a new faculty hire and creating new laboratories.

D. How were the recommendations for change acted upon?
Not applicable
E. How did the change(s) implemented impact student learning? If the change was not effective, what are the next steps or new recommendations?
Not applicable

Enter Comments on Table I Closing the Loop Below
Not applicable

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Table II Annual assessment of Student Learning Outcomes (SLOs) in AY 2025-26

1. Include information to share assessment processes, results, and recommendations for improved student learning. Copy this table for each assessed outcome.

A. Program SLO(s) assessed in this cycle. Copy the SLOs verbatim from the assessment plan.
SLO 4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts SLO 5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives SLO 6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions SLO 7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
B. Semester and year this SLO was previously reported on before this cycle.
This is the first time we have started the assessment.
C. Describe the assessment method for this SLO(s).
SLO 4. • CE 101 class in Fall 2025: MCQ Test on Engineering Ethics • CE 361 in 2026 Spring: Assignment on Engineering Economy • CE 489 in 2026 Spring: Final Presentation SLO 5. • CE 489 in 2026 Spring: Final project Peer Evaluation • CE 321 in 2025 Spring: Interviews with the student SLO 6. • CET 208 in Spring 2026: Lab report on Specific Gravity Experiment • CE 321 in Spring 2026: Lab report on Moisture Content of Soil SLO 7. • CE 361 in 2026 Spring: Assignment 4 • CE 361 in 2026 Spring: Exam on Sustainability • CE 489 in 2026 Spring: Instructor Survey • EN 375 in 2025 Fall: Homework on Discrete Random Variables The data collection changes from SLO to SLO as some SLOs have more data source.

D. Described student group(s) assessed. Provide the number of students or number of artifacts assessed.

SLO 4.
- CE 101 class in Fall 2025: 26 students
- CE 361 in 2026 Spring: 8 students
- CE 489 in 2026 Spring: 2 students

SLO 5.
- CE 489 in 2026 Spring: 2 students
- CE 321 in 2025 Spring: 2 students

SLO 6.
- CET 208 in Spring 2026: 20 students
- CE 321 in Spring 2026: 2 students

SLO 7.
- CE 361 in 2026 Spring: 8 students
- CE 361 in 2026 Spring: 8 students
- CE 489 in 2026 Spring: 2 students
- EN 375 in 2025 Fall: 15 students

E. Explain the expected proficiency level and proportion of students who should reach this level.

75% of students will achieve a 70% score.

F. Provide Assessment results and number of students who met defined proficiency level.

SLO 4.
- CE 101 class in Fall 2025: Average of 54% of students achieved 70% score (lowest score 37% and highest score 100%)
- CE 361 in 2026 Spring: Average of 100% of students achieved 70% score (lowest score 70% and highest score 100%)
- CE 489 in 2026 Spring: Average of 100% of students achieved 70% score (lowest score 100% and highest score 100%)
- Weighted average score is that 67% of students achieved 70% score

SLO 5.
- CE 489 in 2026 Spring: Average of 100% of students achieved 70% score (lowest score 95% and highest score 100%)
- CE 321 in 2026 Spring: Average of 100% of students achieved 70% score (lowest/highest score 100%)
- Weighted average score is that 100% of students achieved 70% score

SLO 6.
- CET 208 in Spring 2026: Average of 95% students achieved 70% score (lowest score 50% and highest score 100%)
- CE 321 in Spring 2026: Average of 100% of students achieved 70% score (lowest score 90% and highest score 100%)
- Weighted average score is that 95% of students achieved 70% score

SLO 7.
- CE 361 in 2026 Spring: Average of 100% of students achieved 70% score (lowest score 80% and highest score 100%)
- CE 361 in 2026 Spring: Average of 88% of students achieved 70% score (lowest score 50% and highest score 100%)
- CE 489 in 2026 Spring: Average of 100% of students achieved 70% score (lowest/highest score 100%)
- EN 375 in 2025 Fall: Average of 100% of students achieved 70% score (lowest score 80% and highest score 100%)

- Weighted average score is that 95% of students achieved 70% score

G. Describe what the results or trends indicate about student performance.

SLO 4. Students have not attained the target performance.

SLO 5. Students have attained the target performance.

SLO 6. Students have attained the target performance.

SLO 7. Students have attained the target performance.

H. Describe program level changes/improvements planned for next AY (2026-2027?) which are informed by this assessment.

SLO 4. CE 101: The lecture on 'Engineering Ethics' will be improved, and students will be offered more practice problems. The instructor will be advised on more design exercises, more ethics discussions, more laboratory practice, and more teamwork activities. Changing a rubric does not necessarily improve student learning.

SLO 5. A weighted average of 100% of students achieved 70% score. Only two students participated in this SLO. Therefore, the score data is not well established. The instructor will be advised to verify the questions paper to ensure the quality. A peer evaluator may also be assigned to verify success. At the same time, we will watch how the attainment happens when a greater number of students enroll.

SLO 6. A weighted average of 95% of students achieved 70% score. The instructor will be advised to verify the questions paper to ensure the quality. A peer evaluator may also be assigned to verify success. With the creation of Asphalt Laboratory and Environmental Engineering laboratories, a higher score or better quality is expected.

SLO 7. A weighted average of 97% of students achieved 70% score. The instructor will be advised to verify the questions paper to ensure the quality. A peer evaluator may also be assigned to verify success.

Enter Comments on Table II AY 2026 Assessment Below

During AY 2024-2025 assessment, it was mentioned that "There is a shortage of CE faculty after two faculty retired. The university is in the process of recruiting a faculty. If we can hire the faculty, then students will be able to have greater faculty-student contact time, and the performance achievement is expected to increase. The school made an offer to a new faculty. Greater student faculty contact time is expected to improve student performance next year.

If the outcome achievement rate in the future may be better understood and/or increased when a greater number of students enroll. In addition, the instructors of a few classes are proposed to be changed after a new faculty is recruited so that the faculty expertise are well matched with the SLOs.

Another action is that although the target performance is achieved, more hands-on activities are recommended, and more supplies/equipment be purchased for lab-based classes such as CET 208.

As per the "Student Learning Outcomes (SLOs) Assessment Plan, Updated – 2025 May', the BSCE program faculty plan to evaluate three (3) consequent outcomes each year starting from the AY 2024-2025. The new plan proposed to be three (3) and four (4) SLOs to be evaluated so that the review cycle becomes two years.

Finally, the action items will be –

- The instructor will be advised on more ethics discussions, more laboratory practice, and more teamwork activities
- The instructor will be advised to verify the questions paper to ensure the quality

- A peer evaluator may also be assigned to verify success
- We will watch how the attainment happens when a greater number of students enroll
- The instructors of a few classes are proposed to be changed after a new faculty is recruited
- More hands-on activities are recommended
- The new plan proposed to be the first three (3) SLOs on Year 1 and the next four (4) SLOs to be evaluated in Year 2 so that the review cycle becomes two years.