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BOWLING GREEN STATE UNIVERSITY
Department of Construction Management

Fall 2021

Construction Management Department
SLO Annual Review Meeting

Agenda

1. Document "01 SLO Method Assessment Report REV FALL 2021".
   ACTION: Faculty members to review SLO descriptions and provide any changes or updates following the meeting.
   a. Know which SLOs are your responsibilities.
   b. Continue with the instrument being used to track the SLO or create a new instrument. The instrument should be an assignment, a project, a test, or extracted questions from a test. If one assignment is sufficient, it is easier than tracking multiple assignments.
   c. Provide the results in a timely manner.

2. Document "02 SLO Spreadsheet Matrix 2020-2021".
   ACTION: Review the matrix for any changes for the next school year.
   a. I = Introduced, R = Reinforced, DA = Direct Assessment
   b. 1 Direct Assessment, 1 Indirect Assessment

3. SLO Review – Year 1 Student Learning Outcomes
   (we are back to the beginning of the SLO review cycle)
   ACTION: Review the seven Year 1 SLOs, using the following documents:
   "03 SLO Direct Assessment Data", "04 SLO Senior Exit Survey Data", "05 SLO AIC Exam Data" and "06 SLO Alumni Survey Data" and documents related to the following SLOs

   a. SLO 3 - Create a construction project safety plan.
   b. SLO 4 - Create construction project cost estimates.
   c. SLO 6 - Analyze professional decisions based on ethical principles.
   d. SLO 11 - Apply basic surveying techniques for construction layout and control.
   e. SLO 13 - Understand construction risk management.
   f. SLO 17 - Understand the legal implications of contract, common, and regulatory law to manage a construction project.
   g. SLO 18 - Understand the basic principles of sustainable construction.

4. Open discussion

5. Adjourn

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**Minutes**
SLO Review Meeting
October 1, 2021
1:30 pm to 3:30 pm

Present: Alan Atalah, Linda Beall, Scott Gross, Joe Lavalette, Arsenio Rodrigues, Lisa Schaller

**ITEM 1: Review SLO Method Assessment Report (REV. SPR 2021)**

- The revised SLO Method Assessment Report was reviewed. This review included ensuring the report accurately reports the correct course and assignment for tracking each SLO.
- Scott will make updates and distribute to the department.
- Scott will also send out SLO Direct Assessment data spreadsheets to faculty members for Fall 2021 data tracking.

**ITEM 2: Review of the SLO Course Assessment Matrix:**

The matrix now uses the following terminology; I = the SLO is introduced, R = the SLO is reinforced, IA = the SLO is indirectly assessed and DA = the SLO is directly assessed.

- Since the Spring 2020 SLO review meeting, faculty members have adjusted the SLO direct assessment instrument for the following SLOs: 5, 6, 8, 10, 11, 12, 13, 15, 17, 19, and 20. The descriptions of these changes are reflected in revised SLO Assessment Report.
- ARCH 1100 has been removed from the matrix, as it is no longer a core curriculum class.
- **SLO 10 – Apply electronic based technology to manage the construction process:** This SLO will now be directly assessed in CONS 4590 Construction Estimating Computer Applications. CONS 4350 will remain as a course that reinforces SLO 10.
- **SLO 13 – Understand construction risk management:** This SLO will now be directly assessed in CONS 4400 Construction Contracting. CONS 4350 will remain as a course that reinforces SLO 13.

**General:**

- In Fall 2022 semester, CONS 1010 will become a three credit hour course.
- In Fall 2022 semester, CONS 2350 will be removed from the core curriculum.
- In Fall 2022 semester, CONS 4000 LEED and Lean Fundamentals will be added to the core curriculum. SLO 18 will be directly assessed in this course.
- These changes will result in 51 credit hours for core curriculum classes. ACCE requires a minimum of 50 credit hours for core curriculum classes.

NOTE: The revised SLO Course Assessment Matrix will also be distributed that reflects these changes.

**ITEM 3: SLO Review for Year 1 of the Review Cycle:**

The department used the following data results to review the following SLOS:

1. Data results gathered from in-class assignments (direct assessment for all SLOs)
2. AIC exam results (indirect assessment for SLOs 6 thru 8, amd 12 thru 20
3. Senior exit survey results (indirect assessment for all SLOs)
4. Alumni survey results (indirect assessment for all SLOs)

**SLOs to Review:**

a. SLO 3 – Create a construction project safety plan.
b. SLO 4 – Create construction project cost estimates.
c. SLO 6 – Analyze professional decisions based on ethical principles.
d. SLO 11 – Apply basic surveying techniques for construction layout and control.
e. SLO 13 – Understand construction risk management.
f. SLO 17 – Understand the legal implications of contract, common, and regulatory law to manage a construction project.
g. SLO 18 – Understand the basic principles of sustainable construction.

**SLO Review and Recommendations:**

**SLO 3 - Create a construction project safety plan.**

- The SLO review determined that no changes were needed for this assessment.

**SLO 4 - Create construction project cost estimates.**

- The SLO review determined that no changes were needed for this assessment.

**SLO 6 - Analyze professional decisions based on ethical principles.**

- Alan discussed that he would consider adding a case study as part of the evaluation of this SLO.
- Currently, Alan uses a bank of questions in Canvas in which randomly selected questions are used for the quiz.

**SLO 11 - Apply basic surveying techniques for construction layout and control.**

- The SLO review determined that no changes were needed for this assessment.

**SLO 13 - Understand construction risk management.**

- The SLO review determined that no changes were needed for this assessment.

**SLO 17 - Understand the legal implications of contract, common, and regulatory law to manage a construction project.**

- Alan is reconsidering if the current assessment is the best instrument for this SLO. He is considering creating an exam which would better assess this SLO.

**SLO 18 - Understand the basic principles of sustainable construction.**

- The assessment is still using ten questions extracted from Test 2 in CONS 2350.
- In Fall 2022 semester, CONS 4000 LEED and Lean Fundamentals will become a core curriculum class. Once that occurs, the midterm exam will be used as the direct assessment tool for evaluating this SLO.

**ITEM 4: Open Discussion**:

- 3 Year Alumni Survey: A high number of alumni respondents were from the category of having graduated 11 or more years ago. These graduates were prior to the implementation of the 20 SLO assessment system developed by the ACCE. The survey should concentrate on maximizing data from alumni who graduated after the 20 SLO system was implemented. Increasing the number of respondents is also important in order to obtain better data from this survey.
- The department discussed the importance of keeping the same instructor for course offerings that are being used to gather data for direct assessments. This greatly improves consistency on tracking SLO data.

Meeting Adjourned.

Notes taken and submitted by Scott Gross