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BOWLING GREEN STATE UNIVERSITY
Department of Construction Management

May 21, 2020

Construction Management Department
SLO Annual Review Meeting

Agenda

1. Document "01 SLO Method Assessment Report REV SPR 2020".
   ACTION: Faculty members to review SLO descriptions and provide any changes or updates following the meeting.
   a. Know which SLOs are your responsibility.
   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.
   d. Remember – ALL SLOs must have a direct assessment (SLO 13).

2. Document "02 SLO Spreadsheet Matrix 2019-2020".
   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 3 Student Learning Outcomes
   ACTION: Review the six Year 3 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 07 thru 12 SLO Summaries.

   a. SLO 5 – Create construction project schedules.
   b. SLO 8 – Analyze methods, materials, and equipment used to construct projects.
   c. SLO 10 – Apply electronic-based technology to manage the construction process.
   d. SLO 15 – Understand construction quality assurance and control.
   e. SLO 16 – Understand construction project control processes.
   f. SLO 19 – Understand the basic principles of structural behavior.

4. Document "13 SLO Data Needed".
5. ACTION: Develop a timeline for submitting all missing data from previous semesters.

6. Open discussion

7. Adjourn

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**Minutes**
SLO Review Meeting
5/21/20
Webex Meeting 10:00 am thru 11:30 am

Present: Alan Atalah, Bob Austin, Scott Gross, Joe Lavalette, Arsenio Rodrigues

**ITEM 1: Review SLO Method Assessment Report (REV. SPR 2020)**

- Scott will get the course assignments from Pam for Fall 2020. He will contact faculty to ensure everyone is aware of their SLO responsibilities for fall semester.
- If you develop a new assessment instrument, please provide a narrative to Scott. If you have any questions or need ideas, send an email to Scott.

**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.

**After the review of the matrix, the following changes were made to the matrix and will be implemented in the Fall 2020 Semester:**

**SLO 10 – Apply electronic based technology to manage the construction process:** The direct assessment is assigned to CONS 4350 – Construction Methods and Practices. CONS 3710 – BIM for Constructors will no longer be a direct assessment, but will remain a course that reinforces (R) the SLO.

**General:**

- It was noted that ARCH 1010 and ARCH 2710 were added to the matrix. All core curriculum classes need to be reflected on the matrix.
- The "Instructor" column will be removed from the matrix.

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

**ITEM 3: SLO Review for Year 3:**

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 5 – Create construction project schedules.
b. SLO 8 – Analyze methods, materials, and equipment used to construct projects.
c. SLO 10 – Apply electronic-based technology to manage the construction process.
d. SLO 15 – Understand construction quality assurance and control.
e. SLO 16 – Understand construction project control processes.
f. SLO 19 – Understand the basic principles of structural behavior.

**SLO Review and Recommendations:**

**SLO 5 - Create construction project schedules.**

- Quinn Lawrence has used the AGC book, which has been a big help in explaining concepts and logic.
- It was noted that this SLO is related to SLO 16.
- No additional recommendations at this time.

**SLO 8 - Analyze methods, materials, and equipment used to construct projects.**

- Alan believes that the student's overall final grade in CONS 4350 is the most accurate measure of this SLO. However, in order to simplify the data collection, he will look at a specific section in the text.
- Alan will look into using the section on Site Planning and Site Management for the direct assessment instrument. This section contains the elements needed to assess this SLO.

**SLO 10 - Apply electronic-based technology to manage the construction process.**

- Assessing this SLO in CONS 3710 may not be the best option. In the past, there have been multiple instructors for this course. This has numerous assessment instruments.
- It was determined that the more logical class to assess this SLO is CONS 4350 Construction Methods and Practices. In this class, an assessment instrument using Procore can be used.

**SLO 15 - Understand construction quality assurance and control.**

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

**SLO 16 - Understand construction project control processes.**

- Alan will develop an assessment instrument for this SLO which goes hand in hand with SLO 5.

**SLO 19 - Understand the basic principles of structural behavior.**

- The final exam for CONS 3360 is the best assessment instrument for this SLO.
- The effort made with the math department for improving the math prerequisite course is helping.
- In general, problem solving and critical thinking is still an issue.

**ITEM 4: SLO Data Needed:**

- Scott requested that faculty members submit their data as soon as possible. He would like to close out the previous semesters this summer.

**ITEM 5: Open Discussion**:

- No additional comments were made.

Meeting Adjourned.