

2017 - 2018 Annual Program Assessment Report

The Office of Academic Program Assessment
California State University, Sacramento

For more information visit our [website](#)
or [contact us](#) for more help.

Please begin by selecting your program name in the drop down.

If the program name is not listed, please enter it below:

MS Civil Engineering

OR enter program name:

Section 1: Report All of the Program Learning Outcomes Assessed

Question 1: Program Learning Outcomes

Q1.1.

Which of the following Program Learning Outcomes (PLOs), Sac State Baccalaureate Learning Goals (BLGs), and emboldened Graduate Learning Goals (GLGs) **did you assess?** [**Check all that apply**]

- 1. **Critical Thinking**
- 2. **Information Literacy**
- 3. **Written Communication**
- 4. **Oral Communication**
- 5. Quantitative Literacy
- 6. **Inquiry and Analysis**
- 7. Creative Thinking
- 8. Reading
- 9. Team Work
- 10. Problem Solving
- 11. Civic Knowledge and Engagement
- 12. **Intercultural Knowledge, Competency, and Perspectives**
- 13. Ethical Reasoning
- 14. Foundations and Skills for Lifelong Learning
- 15. **Global Learning and Perspectives**
- 16. Integrative and Applied Learning
- 17. Overall Competencies for GE Knowledge
- 18. **Overall Disciplinary Knowledge**
- 19. **Professionalism**
- 20A. Other, specify any assessed PLOs not included above:

a.

b.

c.

20B. **Check here if your program has not collected any data for any PLOs.** Please go directly to Q6 (skip Q1.2 to Q5.3.1.)

Q1.2.

Please provide more detailed background information about **EACH PLO** you checked above and other information including how your specific PLOs are **explicitly** linked to the Sac State **BLGs/GLGs**:

1. [**Disciplinary knowledge** : Master, integrate, and apply disciplinary knowledge and skills to current, practical, and important contexts and situations.] -->This GLG is linked to the PLO "Overall Disciplinary Knowledge".
2. [**Communication**: Communicate key knowledge with clarity and purpose both within the discipline and in broader contexts.] -->This GLG is linked to the PLO "Oral Communication".
3. [**Critical thinking/analysis**: Demonstrate the ability to be creative, analytical, and critical thinkers.] --> This GLG is linked to the PLO "Inquiry and Analysis".

Q1.2.1.

Do you have rubrics for your PLOs?

- 1. Yes, for all PLOs
- 2. Yes, but for some PLOs
- 3. No rubrics for PLOs
- 4. N/A
- 5. Other, specify:

Q1.3.

Are your PLOs closely aligned with the mission of the university?

- 1. Yes
- 2. No
- 3. Don't know

Q1.4.

Is your program externally accredited (other than through WASC Senior College and University Commission (WSCUC))?

- 1. Yes
- 2. No (skip to **Q1.5**)
- 3. Don't know (skip to **Q1.5**)

Q1.4.1.

If the answer to Q1.4 is **yes**, are your PLOs closely aligned with the mission/goals/outcomes of the accreditation agency?

- 1. Yes
- 2. No
- 3. Don't know

Q1.5.

Did your program use the **Degree Qualification Profile** ("DQP", see <http://degreeprofile.org>) to develop your PLO(s)?

- 1. Yes
- 2. No, but I know what the DQP is
- 3. No, I don't know what the DQP is
- 4. Don't know

Q1.6.

Did you use action verbs to make each PLO measurable?

- 1. Yes
- 2. No
- 3. Don't know

(Remember: Save your progress)

Section 2: Report One Learning Outcome in Detail

Question 2: Standard of Performance for the Selected PLO

Q2.1.

Select **OR** type in **ONE(1)** PLO here as an example to illustrate how you conducted assessment (be sure you checked the **correct box** for this PLO in Q1.1):

Overall Disciplinary Knowledge

If your PLO is **not listed, please enter it here:**

Q2.1.1.

Please provide more background information about the **specific PLO** you've chosen in Q2.1.

This PLO measures the depth of knowledge acquired by our MS degree students in a focused area of study in civil engineering (environmental, geotechnical, structural, transportation, or water resources engineering).

Q2.2.


Has the program developed or adopted **explicit program standards of performance/expectations** for this PLO? (e.g. "We expect 70% of our students to achieve at least a score of 3 or higher in all dimensions of the Written Communication VALUE rubric.")

- 1. Yes
- 2. No
- 3. Don't know
- 4. N/A

Q2.3.

Please **1) provide and/or attach the rubric(s) AND 2) the standards of performance/expectations** that you have developed for *the selected PLO* here:

We expect 90% of our students to achieve a score of 3.0 or higher in the performance indicator "Appropriate Knowledge Content" of our culminating experience presentation assessment rubric.

 CE500 Presentation Rubric.docx
16.78 KB

 No file attached

Q2.4. PLO	Q2.5. Stdrd	Q2.6. Rubric	Please indicate where you have published the PLO , the standard (stdrd) of performance, and the rubric that was used to measure the PLO:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. In SOME course syllabi/assignments in the program that address the PLO

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. In ALL course syllabi/assignments in the program that address the PLO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. In the student handbook/advising handbook
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. In the university catalogue
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. On the academic unit website or in newsletters
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6. In the assessment or program review reports, plans, resources, or activities
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. In new course proposal forms in the department/college/university
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. In the department/college/university's strategic plans and other planning documents
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. In the department/college/university's budget plans and other resource allocation documents
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Other, specify: <input type="text"/>

Question 3: Data Collection Methods and Evaluation of Data Quality for the Selected PLO

Q3.1.

Was assessment data/evidence **collected** for the selected PLO?

- 1. Yes
- 2. No (skip to **Q6**)
- 3. Don't know (skip to **Q6**)
- 4. N/A (skip to **Q6**)

Q3.1.1.

How many assessment tools/methods/measures **in total** did you use to assess this PLO?

Q3.2.

Was the data **scored/evaluated** for this PLO?

- 1. Yes
- 2. No (skip to **Q6**)
- 3. Don't know (skip to **Q6**)
- 4. N/A (skip to **Q6**)

Q3.2.1.

Please describe how you collected the assessment data for the selected PLO. For example, in what course(s) or by what means were data collected:

Data was collected during the thesis/project presentations by all graduating MS students at the end of the fall 2017 and spring 2018 semesters. Faculty in attendance (typically between 4 and 7 faculty for any given presentation) completed an assessment rubric (attached in Q2.3) for each student who presented. The data as compiled for each "Performance Indicator", along with the total evaluation score for the presentation.

(Remember: Save your progress)

Question 3A: Direct Measures (key assignments, projects, portfolios, etc.)

Q3.3.

Were direct measures (key assignments, projects, portfolios, course work, student tests, etc.) used to assess this PLO?

1. Yes
 2. No (skip to **Q3.7**)
 3. Don't know (skip to **Q3.7**)

Q3.3.1.

Which of the following direct measures (key assignments, projects, portfolios, course work, student tests, etc.) were used? [**Check all that apply**]

1. Capstone project (e.g. theses, senior theses), courses, or experiences
 2. Key assignments from required classes in the program
 3. Key assignments from elective classes
 4. Classroom based performance assessment such as simulations, comprehensive exams, or critiques
 5. External performance assessments such as internships or other community-based projects
 6. E-Portfolios
 7. Other Portfolios
 8. Other, specify:

Q3.3.2.

Please **1) provide and/or attach the direct measure** (key assignments, projects, portfolios, course work, student tests, etc.) you used to collect data, **THEN 2) explain here** how it assesses the PLO:

Direct measure was from student presentations of their culminating requirement (CE500), as described below. The final presentations require a deep understanding of technical content in an area of civil engineering to contextualize their work, explain results, and make conclusions that are pertinent to an applied problem within civil engineering.

PLAN A

Master's Thesis (3-6 units) Approval by the faculty thesis advisor and by a second faculty or an expert in the area of study is required. The thesis must comply with University standards for format and is filed in the University Library. The Master's Thesis should be the written product of a systematic study of a significant problem. It identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyze the data, and offers a conclusion or recommendation. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. The work should be associated with engineering research or innovation. No more than 3 units may be awarded for a topic directly related to a topic studied of CE 299. A public presentation is required.

PLAN B

Master's Project (3-6 units) Approval by the faculty thesis advisor and by a second faculty or an expert in the area of study is required. A Master's Project should be a significant undertaking appropriate to the engineering profession. It evidences originality and independent thinking, appropriate form and organization, and rationale. It is described and summarized in a written report that includes a discussion of the project's significance, objectives, methodology and a conclusion or recommendation. The work should be associated with practical engineering applications. The report must comply with University standards for format and will be filed in the University Library. No more than 3 units may be awarded for a topic directly related to a topic studied for CE 299. A public presentation is required.

PLAN C

Directed Study (3 units) and Comprehensive Examination (0 units). Approval of one faculty member is required for Directed Study. The comprehensive examination is administered by a committee of three faculty members.

 **No file attached**  **No file attached**

Q3.4.

What tool was used to evaluate the data?

1. **No** rubric is used to interpret the evidence (skip to **Q3.4.4.**)
 2. Used rubric developed/modified by the faculty who teaches the class (skip to **Q3.4.2.**)
 3. Used rubric developed/modified by a group of faculty (skip to **Q3.4.2.**)
 4. Used rubric pilot-tested and refined by a group of faculty (skip to **Q3.4.2.**)

- 5. The VALUE rubric(s) (skip to **Q3.4.2.**)
- 6. Modified VALUE rubric(s) (skip to **Q3.4.2.**)
- 7. Used other means (Answer **Q3.4.1.**)

Q3.4.1.

If you used other means, which of the following measures was used? [**Check all that apply**]

- 1. National disciplinary exams or state/professional licensure exams (skip to **Q3.4.4.**)
- 2. General knowledge and skills measures (e.g. CLA, ETS PP, etc.) (skip to **Q3.4.4.**)
- 3. Other standardized knowledge and skill exams (e.g. ETC, GRE, etc.) (skip to **Q3.4.4.**)
- 4. Other, specify:

(skip to **Q3.4.4.**)

Q3.4.2.

Was the **rubric** aligned directly and explicitly **with the PLO**?

- 1. Yes
- 2. No
- 3. Don't know
- 4. N/A

Q3.4.3.

Was the **direct measure** (e.g. assignment, thesis, etc.) aligned directly and explicitly **with the rubric**?

- 1. Yes
- 2. No
- 3. Don't know
- 4. N/A

Q3.4.4.

Was the **direct measure** (e.g. assignment, thesis, etc.) aligned directly and explicitly **with the PLO**?

- 1. Yes
- 2. No
- 3. Don't know
- 4. N/A

Q3.5.

Please enter the number (#) of faculty members who participated in planning the assessment data **collection** of the selected PLO?

Q3.5.1.

Please enter the number (#) of faculty members who participated in the **evaluation** of the assessment data for the selected PLO?

Q3.5.2.

If the data was evaluated by multiple scorers, was there a norming process (a procedure to make sure everyone was scoring similarly)?

- 1. Yes
- 2. No
- 3. Don't know
- 4. N/A

Q3.6.

How did you **select** the sample of student work (papers, projects, portfolios, etc.)?

A sample was not used - all graduating MS students during fall 2017 and spring 2018 were evaluated, and results included in the summary.

Q3.6.1.

How did you **decide** how many samples of student work to review?

A sample was not used - all graduating MS students during fall 2017 and spring 2018 were evaluated, and results included in the summary.

Q3.6.2.

Please enter the number (#) of students that were in the class or program?

Q3.6.3.

Please enter the number (#) of samples of student work that you evaluated?

Q3.6.4.

Was the sample size of student work for the direct measure adequate?

- 1. Yes
- 2. No
- 3. Don't know

(Remember: Save your progress)

Question 3B: Indirect Measures (surveys, focus groups, interviews, etc.)

Q3.7.

Were indirect measures used to assess the PLO?

- 1. Yes
- 2. No (skip to **Q3.8**)
- 3. Don't Know (skip to **Q3.8**)

Q3.7.1.

Which of the following indirect measures were used? [**Check all that apply**]

- 1. National student surveys (e.g. NSSE)
- 2. University conducted student surveys (e.g. OIR)
- 3. College/department/program student surveys or focus groups
- 4. Alumni surveys, focus groups, or interviews
- 5. Employer surveys, focus groups, or interviews

6. Advisory board surveys, focus groups, or interviews
7. Other, specify:

Q3.7.1.1.

Please explain and attach the indirect measure you used to collect data:

 No file attached

 No file attached

Q3.7.2.

If surveys were used, how was the sample size **decided**?

Q3.7.3.

If surveys were used, how did you **select** your sample:

Q3.7.4.

If surveys were used, please enter the response rate:

Question 3C: Other Measures
(external benchmarking, licensing exams, standardized tests, etc.)

Q3.8.

Were external benchmarking data, such as licensing exams or standardized tests, used to assess the PLO?

1. Yes
2. No (skip to **Q3.8.2**)

3. Don't Know (skip to **Q3.8.2**)

Q3.8.1.

Which of the following measures was used? [**Check all that apply**]

1. National disciplinary exams or state/professional licensure exams
2. General knowledge and skills measures (e.g. CLA, ETS PP, etc.)
3. Other standardized knowledge and skill exams (e.g. ETC, GRE, etc.)
4. Other, specify:

Q3.8.2.

Were other measures used to assess the PLO?

1. Yes
2. No (skip to **Q4.1**)
3. Don't know (skip to **Q4.1**)

Q3.8.3.

If other measures were used, please specify:

 No file attached

 No file attached

(Remember: Save your progress)

Question 4: Data, Findings, and Conclusions

Q4.1.

Please provide tables and/or graphs to summarize the assessment data, findings, and conclusions for the selected PLO in **Q2.1** (see Appendix 12 in our [Feedback Packet Example](#)):

Students are performing just above the stated performance goal of 90% of students will score a 3.0 or higher in the performance expectation. The scores shown on the attachment are average scores from all of the faculty who attended the presentations. As shown, 90.9% of the students scored a 3.0 or higher on the Performance Indicator "Demonstrate Appropriate Content Knowledge".

Note: "Average Score" signifies the average score from the results of the assessment rubric of multiple faculty.


 CE500ScoreSummary.pdf
111.41 KB


 No file attached

Q4.2.

Are students doing well and meeting the program standard? **If not**, how will the program work to improve student performance of the selected PLO?

See Q4.1

 No file attached

 No file attached

Q4.3.

For the selected PLO, the student performance:

- 1. **Exceeded** expectation/standard
- 2. **Met** expectation/standard
- 3. **Partially** met expectation/standard
- 4. Did not meet expectation/standard
- 5. No expectation/standard has been specified
- 6. Don't know

Question 4A: Alignment and Quality

Q4.4.

Did the data, including the direct measures, from all the different assessment tools/measures/methods directly align with the PLO?

- 1. Yes
- 2. No
- 3. Don't know

Q4.5.

Were **all** the assessment tools/measures/methods that were used good measures of the PLO?

- 1. Yes
- 2. No
- 3. Don't know

Question 5: Use of Assessment Data (Closing the Loop)

Q5.1.

As a result of the assessment effort and based on prior feedback from OAPA, do you anticipate **making any changes** for your program (e.g. course structure, course content, or modification of PLOs)?

- 1. Yes
- 2. No (skip to **Q5.2**)
- 3. Don't know (skip to **Q5.2**)

Q5.1.1.

Please describe **what changes** you plan to make in your program as a result of your assessment of this PLO.

Currently, the department is preparing a student guide for oral CE 500 (culminating requirement) presentations. The rubric will be attached, and it will contain helpful information for students to understand the expectations, purpose and audience of the culminating requirement. We expect to use this guide during the December presentations.

We believe this may help the students better demonstrate their disciplinary knowledge.

Q5.1.2.

Do you have a plan to assess the **impact of the changes** that you anticipate making?

- 1. Yes, describe your plan:

Same evaluation process as described in this report - observe the change in scores of 3.0 or higher.

- 2. No
- 3. Don't know

Q5.2.

To what extent did you apply **previous assessment results** collected through your program in the following areas?

	1. Very Much	2. Quite a Bit	3. Some	4. Not at All	5. N/A
1. Improving specific courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. Modifying curriculum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
3. Improving advising and mentoring	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Revising learning outcomes/goals	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Revising rubrics and/or expectations	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Developing/updating assessment plan	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Annual assessment reports	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Program review	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
9. Prospective student and family information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
10. Alumni communication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
11. WSCUC accreditation (regional accreditation)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
12. Program accreditation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
13. External accountability reporting requirement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
14. Trustee/Governing Board deliberations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
15. Strategic planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
16. Institutional benchmarking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
17. Academic policy development or modifications	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. Institutional improvement	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Resource allocation and budgeting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
20. New faculty hiring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
21. Professional development for faculty and staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

22. Recruitment of new students	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Other, specify: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5.2.1.

Please provide a detailed example of how you used the assessment data above:

Currently, the department is preparing a student guide for oral CE 500 (culminating requirement) presentations. The rubric will be attached, and it will contain helpful information for students to understand the expectations, purpose and audience of the culminating requirement. We expect to use this guide during the December presentations.

Q5.3.

To what extent did you apply **previous assessment feedback** from the Office of Academic Program Assessment in the following areas?

	1. Very Much	2. Quite a bit	3. Some	4. Not at All	5. N/A
1. Program Learning Outcomes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. Standards of Performance	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Measures	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Rubrics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5. Alignment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
6. Data Collection	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Data Analysis and Presentation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Use of Assessment Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
9. Other, please specify: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5.3.1.

Please share with us an example of how you applied **previous feedback** from the Office of Academic Program Assessment in any of the areas above:

Clarified the grading rubric as requested.

Established a performance expectation of "We expect 90% of our students to achieve a score of 3.0 or higher in the performance indicator "Appropriate Knowledge Content" of our culminating experience presentation assessment rubric."

Tried to provide graphs and tables that better illustrated assessment results, including showing the data as the percentage of students scoring at each performance level of the rubric.

Assessment data is across two semesters (F17 and SP18) in an attempt to provide larger sample size of student data.

(Remember: Save your progress)

Section 3: Report Other Assessment Activities

Other Assessment Activities

Q6.

If your program/academic unit conducted assessment activities that are **not directly related to the PLOs** for this year (i.e. impacts of an advising center, etc.), please provide those activities and results here:

Q6.1.

Please explain how the assessment activities reported in **Q6** will be linked to any of your PLOs and/or PLO assessment in the future and to the mission, vision, and the strategic planning for the program and the university:

Q7.

What PLO(s) do you plan to assess next year? [**Check all that apply**]

- 1. **Critical Thinking**
- 2. **Information Literacy**
- 3. **Written Communication**
- 4. **Oral Communication**
- 5. Quantitative Literacy
- 6. **Inquiry and Analysis**
- 7. Creative Thinking
- 8. Reading
- 9. Team Work
- 10. Problem Solving
- 11. Civic Knowledge and Engagement
- 12. **Intercultural Knowledge, Competency, and Perspectives**
- 13. Ethical Reasoning
- 14. Foundations and Skills for Lifelong Learning
- 15. **Global Learning and Perspectives**
- 16. Integrative and Applied Learning
- 17. Overall Competencies for GE Knowledge
- 18. **Overall Disciplinary Knowledge**
- 19. **Professionalism**
- 20. Other, specify any PLOs not included above:

a.

b.

c.

Q8.

Please explain how this year's assessment activities help you address recommendations from your department's last program review?

We clarified the grading rubric as requested.

Established a performance expectation of "We expect 90% of our students to achieve a score of 3.0 or higher in the performance indicator "Appropriate Knowledge Content" of our culminating experience presentation assessment rubric."

Tried to provide graphs and tables that better illustrated assessment results, including showing the data as the percentage of students scoring at each performance level of the rubric.

Assessment data is across two semesters (F17 and SP18) in an attempt to provide larger sample size of student data.

Q9. Please attach any additional files here:

Q9.1.

If you have attached **any** files to this form, please list **every** attached file here:

Section 4: Background Information about the Program

Program Information (**Required**)

Program:

(If you typed in your program name at the beginning, please skip to **Q11**)

Q10.

Program/Concentration Name: [skip if program name is already selected or appears above]

MS Civil Engineering

Q11.

Report Author(s):

Benjamin Fell

Q11.1.

Department Chair/Program Director:

Benjamin Fell

Q11.2.

Assessment Coordinator:

None

Q12.

Department/Division/Program of Academic Unit (select):

Civil Engineering

Q13.

College:

College of Engineering and Computer Science

Q14.

What is the total enrollment (#) for Academic Unit during assessment (see Departmental Fact Book):

76

Q15.

Program Type:

1. Undergraduate baccalaureate major
2. Credential
3. Master's Degree
4. Doctorate (Ph.D./Ed.D./Ed.S./D.P.T./etc.)
5. Other, specify:

Q16. Number of **undergraduate degree programs** the academic unit has?

1

Q16.1. List all the names:

Bachelors of Science in Civil Engineering

Q16.2. How many concentrations appear on the diploma for this undergraduate program?

0

Q17. Number of **master's degree programs** the academic unit has?

1

Q17.1. List all the names:

Masters of Science in Civil Engineering

Q17.2. How many concentrations appear on the diploma for this master's program?

5

Q18. Number of **credential programs** the academic unit has?

0

Q18.1. List all the names:

Q19. Number of **doctorate degree programs** the academic unit has?

0

Q19.1. List all the names:

When was your Assessment Plan...	1. Before 2012-13	2. 2013-14	3. 2014-15	4. 2015-16	5. 2016-17	6. 2017-18	7. No Plan	8. Don't know
Q20. Developed?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q20.1. Last updated?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q20.2. (Required)

Please **obtain** and **attach** your latest **assessment plan**:

 **Assessment Plan.docx**
14.87 KB


Q21.

Has your program developed a **curriculum map**?

1. Yes
 2. No
 3. Don't know

Q21.1.

Please **obtain** and **attach** your latest **curriculum map**:

 No file attached

Q22.

Has your program indicated explicitly in the curriculum map where assessment **of student learning** occurs?

1. Yes
 2. No
 3. Don't know

Q23.

Does your program have a capstone class?

1. Yes, specify:

CE 500 - Civil Engineering Culminating Requirement

2. No
 3. Don't know

Q23.1.

Does your program have a capstone project(s)?

1. Yes
 2. No
 3. Don't know

(Remember: Save your progress)
Save When Completed!

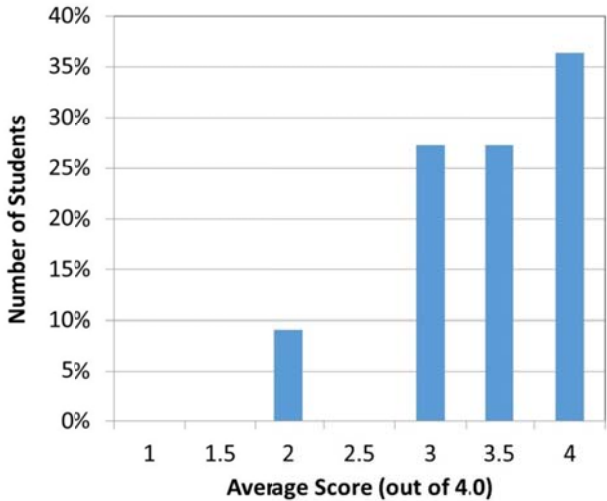
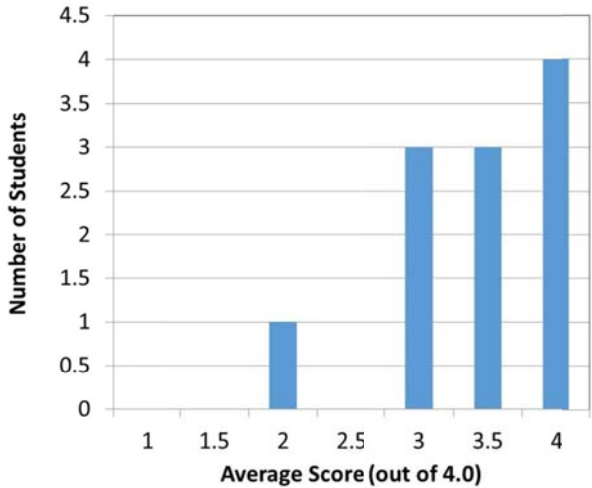
Civil Engineering MS Culminating Requirement Presentation Review

Student Name: _____

CE500 Plan (circle one): A B C

Performance Indicator	Assessment Score			
	1	2	3	4
<p><i>Devise an organized presentation</i> Score = _____</p>	Lacked overall (global) organization and lacked detailed-level organization	Organization was mostly appropriate, but presentation of details lacked clarity	Organization was appropriate, but presentation of details lacked clarity	Presentation organization in a clear and consistent that was appropriate for subject matter
<p><i>Apply appropriate language</i> Score = _____</p>	Language is ambiguous, incorrect terminology, confusing, does not consider audience	Language is often ambiguous, mostly correct terminology, clear, misses audience	Language is mostly unambiguous, correct terminology, enhance presentation, considers audience	Language is unambiguous, correct for subject matter, enhance presentation, and appropriate for audience
<p><i>Demonstrate appropriate content knowledge</i> Score = _____</p>	Failed to demonstrate knowledge of subject and failed to provide concise explanations of the issue(s). Multiple factual errors in presentation or in answering questions.	Speaker demonstrated weak knowledge of subject and failed to synthesize the issues. Presentation or answers to questions contained several factual errors or errors in logic	Speaker demonstrated adequate knowledge of subject and provided good explanations of the issues, but presentation or answers to questions contained a few factual errors or errors in logic.	Speaker demonstrated strong knowledge of subject and provided concise explanations of the entire issue.
<p><i>Deliver content effectively</i> Score = _____</p>	Mannerisms, smoothness, pace and tone detract from the understandability of the presentation, speaker appears uncomfortable	Mannerisms, smoothness, pace and tone make the presentation understandable, and speaker appears tentative	Mannerisms, smoothness, pace and tone make the presentation interesting, and speaker appears comfortable	Mannerisms, smoothness, pace and tone make presentation compelling, speaker appears polished and confident
<p><i>Develop visual materials which effectively support oral delivery (e.g., slides)</i> Score = _____</p>	Visual materials are unclear in content and visual presentation; materials not integrated well with presentation	Visual materials are mostly clear in content and visual presentation; materials regularly referenced by speaker	Visual materials are mostly clear in content and visual presentation with some exceptions; materials consistently referenced by speaker	Visual materials are clear in content and visual presentation; materials integrated seamlessly into presentation
<p>Total Score = _____/20</p>				

From Q4.1, CE500 Score Summary



Score	Count	Percentage	Score	Count equal to or above score	Percentage equal to or above score
1	0	0.0%	≥ 1	0	100.0%
1.5	0	0.0%	≥ 1.5	0	100.0%
2	1	9.1%	≥ 2	1	100.0%
2.5	0	0.0%	≥ 2.5	1	90.9%
3	3	27.3%	≥ 3	4	90.9%
3.5	3	27.3%	≥ 3.5	7	63.6%
4	4	36.4%	≥ 4	11	36.4%

Standard of Performance Goal: 90%

From Q20.2, Assessment Plan

Activity	AY16/17	AY17/18	AY18/19	AY19/20	AY20/21
Direct measures	Oral communication	Inquiry and analysis	Written communication	Critical thinking	Professionalism
Focus Group	Spring 2017 – Environmental	Spring 2018 – Water Resources	Spring 2019 – Structural	Spring 2020 – Transportation	Spring 2021 – Geotechnical
Graduate Survey		Fall 2017		Fall 2019	
Alumni Survey			Fall 2018		Fall 2020