

2016-2017 Assessment Cycle (College of Engineering) ENGR_Civil Engineering BS

Mission

Welcome to the "Mission" tab. First, review the University's Mission, Values, and Vision statements provided below. Then, in the section labeled "Department / Program Mission", type in the current mission for your department, program, or unit. Click "Save" when you are finished.

University Mission

The University of Louisiana at Lafayette offers an exceptional education informed by diverse worldviews grounded in tradition, heritage, and culture. We develop leaders and innovators who advance knowledge, cultivate aesthetic sensibility, and improve the human condition.

University Values

We strive to create a community of leaders and innovators in an environment that fosters a desire to advance and disseminate knowledge. We support the mission of the university by actualizing our core values of equity, integrity, intellectual curiosity, creativity, tradition, transparency, respect, collaboration, pluralism, and sustainability.

University Vision

We strive to be included in the top 25% of our peer institutions by 2020, improving our national and international status and recognition.

Program Mission

Program Mission

If applicable, provide the program's mission in the space provided. If none exists, write "None Available in 2016-2017".

The mission of the Civil Engineering Department is to provide for a contemporary civil engineering education for the students, and is in keeping with the mission for all students as defined by the University. It provides a broad based civil engineering curriculum in structures, geotechnical, water resources, environmental, and transportation engineering, including a program designed to utilize learned technical skills, accompanied by communicative skills, teamwork and leadership qualities. This mission envisions graduates employable by local, national, and international firms and with a sound educational foundation for those who pursue advanced degrees.

In addition, the Department's Mission is designed to assist industries and government agencies through the application of civil engineering knowledge and an understanding of infrastructure needs and problems; developing required research programs with measurable results for implementation and with the expectation of improving the quality of life and economic well-being of this area.

The Civil Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Goals (University/Program tied to Curriculum)

Standards/Outcomes

Identifier	Description
ABET-EAC.1.3	CRITERION: Program Outcomes and Assessment Although institutions may use different terminology, for purposes of Criterion 3, program outcomes are intended to be statements that describe what students are expected to know or be able to do by the time of graduation from the program.
ABET-EAC.1.3.1	> an ability to apply knowledge of mathematics, science, and engineering
ABET-EAC.1.3.10	> a knowledge of contemporary issues
ABET-EAC.1.3.11	> an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
ABET-EAC.1.3.12	Each program must have an assessment process with documented results. Evidence must be given that the results are applied to the further development and improvement of the program. The assessment process must demonstrate that the outcomes of the program, including those listed above, are being measured.
ABET-EAC.1.3.2	> an ability to design and conduct experiments, as well as to analyze and interpret data
ABET-EAC.1.3.3	> an ability to design a system, component, or process to meet desired needs
ABET-EAC.1.3.4	> an ability to function on multi-disciplinary teams
ABET-EAC.1.3.5	> an ability to identify, formulate, and solve engineering problems
ABET-EAC.1.3.6	> an understanding of professional and ethical responsibility
ABET-EAC.1.3.7	> an ability to communicate effectively
ABET-EAC.1.3.8	> the broad education necessary to understand the impact of engineering solutions in a global and societal context
ABET-EAC.1.3.9	> a recognition of the need for, and an ability to engage in life-long learning

Additional Standards/Outcomes

Identifier	Description
CIVE.BS1	An ability to explain key concepts and problem-solving processes used in management. (Level 2)
CIVE.BS2	An ability to explain key concepts and problem-solving processes used in business. (Level 2)
CIVE.BS3	An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)
CIVE.BS4	An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)

Curriculum Map**Assessment Findings for the Assessment Measure level for Civil Engineering BS**

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.7 out of 5.0 point scale. An 83% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed
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Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.4 on a 5.0 point scale. An 88% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 3.9 on a 5.0 point scale. An 78% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 3.9 on a 5.0 point scale. An 78% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio. Also, achievement of the Bloom's level of 5 (design) needs to be emphasized more in class assignments.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet?	Ave. score of 4.2 on a 5.0 point scale. An 83% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

	Met			
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Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.3 on a 5.0 point scale. An 86% success average was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.1 on a 5.0 point scale. An 82% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		
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Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.3 on a 5.0 point scale. An 86% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio. ts.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					

	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.4 on a 5.0 point scale. An 87% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.5 on a 5.0 point scale. A 91% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				

Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.2 on a 5.0 point scale. An 81% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.4 on a 5.0 point scale. An 88% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	CIVE.BS2 An ability to explain key concepts and problem-solving processes used in business. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.5 on a 5.0 point scale. An 86% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.4 on a 5.0 point scale. An 87% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Student Outcomes Portfolio				
Standard/Outcome	CIVE.BS4 An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Portfolio	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	Ave. score of 4.7 on a 5.0 point scale. An 93% success average evaluation was achieved by the class. It is recommended that more emphasis on the guidance required for the elements reviewed in the student's portfolio.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet?	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.05/5.00. The lowest rating of any design team was 3.9/5.0 > 3.5/5.0.		

	Met			
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Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.54/5.00. The lowest rating of any design team was 4.3/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 3.95/5.00. Two of the design teams scored a 3.14/5.0; all others (7 teams) scored a rating > 3.5/5.0. That represents 78% meeting the lowest rating. (~80%).		
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Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.41/5.00. The lowest rating of any design team was 4.1/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment					

Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.70/5.00. The lowest rating of any design team was 4.4/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 3.88/5.00. The lowest rating of any design team was 3.5/5.0 = 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				

Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Presentation	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.65/5.00. The lowest rating of any design team was 4.6/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 3.95/5.00.		

Legend	A - Assessed				
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Course/Event	Capstone Experience				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.57/5.00. The lowest rating of any design team was 4.3/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet? Met	CIVE 442, Spring 2016 - The average rating by the panel of faculty and practitioners, for all design teams, on the project was 4.48/5.00. The lowest rating of any design team was 4.3/5.0 > 3.5/5.0.		

Legend	A - Assessed				
Course/Event	Capstone Experience				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will achieve a score of 3.5 or higher on a 5 point scale using a standard rubric. been met yet?	Not evaluated or measured		

Legend	A - Assessed				
Course/Event	FE Exam				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Standardized Test	Has the criterion Civil Engineering graduates who take the FE exam will meet or exceed the national pass-rate for the NCEES Fundamentals in Engineering (FE) Exam. been met yet? Met	Exam results fall 2016 and spring 2017 - average performance met or exceeded the comparator average performance.		

Legend	A - Assessed				
Course/Event	FE Exam				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Standardized Test	Has the criterion Civil Engineering graduates who take the FE exam will meet or exceed the national pass-rate for the NCEES Fundamentals in Engineering (FE) Exam. been met yet? Met	Considering test results for structural design, geotechnical , transportation, and environmental engineering, the institutional average performance met or exceeded the ABET comparator average performance index.		

Legend	A - Assessed				
Course/Event	FE Exam				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Standardized Test	Has the criterion Civil Engineering graduates who take the FE exam will meet or exceed the national pass-rate for the NCEES Fundamentals	The over-all UL CIVE pass rate for the complete exam equaled or exceeded the pass rate of the ABET Comparator. In the fall 2016 exam results, most of the engineering and engineering mechanics scores equaled or exceeded the		

		in Engineering (FE) Exam. been met yet? Met	ABET Comparator performance. In the spring 2017 exam results, the UL scores equaled or exceeded the ABET Comparator scores.		
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Legend	A - Assessed				
Course/Event	FE Exam				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Standardized Test	Has the criterion Civil Engineering graduates who take the FE exam will meet or exceed the national pass-rate for the NCEES Fundamentals in Engineering (FE) Exam. been met yet? Not met	In neither the fall 2016 or the spring 2017 exam did the UL CIVE scores equal or exceed the ABET (national) Comparator, although the spring 2017 scores were close to the national score (9.4 vs 10.0)		- Assessment Process: Results Discussed / Shared: The ethics focus for the FE Exam need to be reviewed and compared with that of the CE program. Current efforts discuss ethics, in general, and those codes that provide guidance for the professional civil engineer, i.e., ASCE and NSPE Codes of Ethics. Also, it should be noted that rather than make a change based on one year's results of the FE, it would be better to review the student's performance over a longer period to see if there is trend. It is recommended that the FE criteria used for ethics continue, review both, the NSPE FE ethics objectives and the ethics activities included in the UL CIVE program and check for compatibility and performance in future exams.

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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Measured as being met by instructors in the CIVE 322, Intro. Environmental Engineering, and CIVE 426, Steel Design, based on class performance (direct measurement via HW, exams, projects, etc.). Mixed results w/student survey in CIVE 322 (marginal?), but met in CIVE 426 student survey (indirect measure).		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point	Evaluated in the CIVE 444, Senior Design, by a panel of practitioners and faculty, as being met with a		

	scale. been met yet? Met	rating of 4.54 out of 5.0.		
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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Reported as being met by instructor's evaluation of student/class performance (direct measurement of HW, Exams, projects,) in CIVE 225, Surveying. etc. Student survey (demonstrated student confidence (with surveying tools and techniques.met)indirect measure)		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	The only review during this cycle occurred with the Senior "Capstone" Design, CIVE 442. However, the panel of professional practitioners and faculty, evaluating the students performance, judged the demonstration of the design outcome to be achieved. The class evaluation was a 4.41 on a 5 point scale.		
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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	The CIVE 444, Senior Design, class is a major design project involving multiple civil engineering sub-disciplines. This project generally provides the best simulation of multi-disciplinary teams. In some designs the project has included electrical, mechanical and architectural teams.		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment					

Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The documentation for Outcome e by the students portfolio was evaluated. A 92% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome e, engineering problem solving, by all but one individual. The student has been successful in completing all related course requirements involving engineering problem solving. However, his presentation missed in addressing the outcome, the related activities and the strength of success.		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome f in the students portfolio is shown in Table 6. A 93% success average evaluation was achieved by the class. All students (100%) met the >70% pass rate for the outcome. Several case studies involving ethical conflicts are assigned. The students are required to		

			base their analysis and conclusions on the situations using the ASCE Code of Ethics. The evaluation of their analysis can be used in supporting outcome f in their portfolio. All individuals portfolios supported the achievement of Outcome f, ethics and professional practice, with an acceptable 70% or higher.		
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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome g in the students portfolio is shown in Table 7. An 87% success average evaluation was achieved by the class. All but two individual's portfolios supported the achievement of Outcome g, communications, with an acceptable 70% or higher. The documentation for Outcome g in two portfolios was weak. The panel offaculty and practitioners rated the CIVE 442, Senior Design, class with a 4.65 out of a possible 5.0.		

Legend	A - Assessed
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Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of ABET Outcome h in the students portfolio is shown in Table 8. A 93% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome h, global impact, by all but one individual. The presentation by one student missed in addressing this outcome. This receives great attention in several courses including the senior capstone design course, which the student had not taken		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on	The panel of faculty and practitioners rated the students in the CIVE 442, Senior Design, with score of 4.57 out of a possible 5.0 for "demonstrating the ability to learn on their own with formal instruction." 12		

		a 5 point scale. been met yet? Met	students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome i in the students portfolio is shown in Table 9. A 93% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome i, lifelong learning, by all but two individuals. The presentation by the two students missed in addressing this outcome. Although there are many examples of assignments requiring individual research by students in the UG program, these two individuals did not make a satisfactory case.		
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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome a in the students portfolio is shown in Table 1. A 91% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome a, Science and Math, by all but one individual. The student has been successful in completing all math and science course requirements. However, his presentation missed in addressing/documenting the outcome, the related activities and the strength of success.		

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Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	CIVE.BS2 An ability to explain key concepts and problem-solving processes used in business. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome m in the student's portfolio is shown in Table 13. A 86% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome m, business concepts, by all but two individuals. The presentation by the two students missed in addressing this outcome. Although there are examples of assignments requiring the use of engineering tools by students in the UG program, these two individuals did not make a satisfactory case.		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures					

	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet? Met	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome m in the student's portfolio is shown in Table 14. A 90% success average evaluation was achieved by the class. The individual portfolios supported the achievement of Outcome n, public policy and administration, by all but one individual (<70%). The presentation by the student missed in addressing this outcome. Although there are examples of assignments requiring the knowledge of the public administration and policy of public facilities in the UG program, this individual did not make a satisfactory case.		

Legend	A - Assessed				
Course/Event	Student Course Survey				
Standard/Outcome	CIVE.BS4 An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students will rate their own achievement at a level of 3.5 or higher on a 5 point scale. been met yet?	12 students were enrolled in the CIVE 444, Senior Seminar. All but two or three were graduating seniors. The evaluated documentation of Outcome o in the student's portfolio is shown in Table 15. A 91% success average evaluation was achieved by the class. The individual portfolios supported the		

	Met	achievement of Outcome o, leadership, by all but one individual (<70%). The presentation by the student missed in addressing this outcome. Although there are examples of assignments requiring the knowledge of the public administration and policy of public facilities in the UG program, this individual did not make a satisfactory case.		
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Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.5 out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.4 out of 5.0 (spring 2017)		
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Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.2 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet?	Ave. 4,4 rating out of 5.0 (spring 2017)		

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Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.5 out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.8 rating out of 5.0 (spring 2017)		

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Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave. 4.5 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.9 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave. 4.2 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.4 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.7 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave. 4.2 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				

Standard/Outcome	CIVE.BS2 An ability to explain key concepts and problem-solving processes used in business. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 3.7 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 3.8 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Exit Interview				
Standard/Outcome	CIVE.BS4 An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)				

Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students will rate their own achievement at graduation at a level of 3.5 or higher on a 5 point scale. been met yet? Met	Ave 4.5 rating out of 5.0 (spring 2017)		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5-6 year cycle.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures					

Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed			
Course/Event	Employer Survey			
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.			
Assessment Measures				
Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed			
Course/Event	Employer Survey			
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data			
Assessment Measures				
Assessment	Criterion	Summary	Attachments of	Improvement

	Measure			the Assessments	Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?		Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.	

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	CIVE.BS2 An ability to explain key concepts and problem-solving processes used in business. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Employer Survey				
Standard/Outcome	CIVE.BS4 An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - employer	Has the criterion The employers surveyed will rate the achievement of 80 %the graduates they have hired at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.8 > the broad education necessary to understand the impact of engineering solutions in a global and societal context				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	CIVE.BS1 An ability to explain key concepts and problem-solving processes used in management. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	CIVE.BS2 An ability to explain key concepts and problem-solving processes used in business. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	CIVE.BS3 An ability to explain key concepts and problem-solving processes used in public policy, and public administration. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		

Legend	A - Assessed				
Course/Event	Alumni Survey TEST				
Standard/Outcome	CIVE.BS4 An ability to explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of civil engineering. (Level 2)				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives

	Indirect - Survey - alumni	Has the criterion 80% of the alumni surveyed will rate their own ability at a level of 3.5 or higher on a 5 point scale. been met yet?	Survey conducted only once during 5 - 6 year cycle. Not conducted during this period.		
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Summary of Improvement Narratives

Improvement Narrative List

Assessment Findings for the Assessment Measure level

Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility					
Legend	A					
Course/Event	FE Exam					
Assessment Measure	Direct - Standardized Test					
Assessment Findings	Not met					
Improvement Narrative	<table border="1"> <thead> <tr> <th data-bbox="359 1175 680 1214">Improvement Type</th> <th data-bbox="680 1175 2007 1214">Summary</th> </tr> </thead> <tbody> <tr> <td data-bbox="359 1214 680 1442">Assessment Process: Results Discussed / Shared</td> <td data-bbox="680 1214 2007 1442">The ethics focus for the FE Exam need to be reviewed and compared with that of the CE program. Current efforts discuss ethics, in general, and those codes that provide guidance for the professional civil engineer, i.e., ASCE and NSPE Codes of Ethics. Also, it should be noted that rather than make a change based on one year's results of the FE, it would be better to review the student's performance over a longer period to see if there is trend. It is recommended that the FE criteria used for ethics continue, review both, the NSPE FE ethics objectives and the ethics activities included in the UL CIVE program and check for compatibility and performance in future exams.</td> </tr> </tbody> </table>		Improvement Type	Summary	Assessment Process: Results Discussed / Shared	The ethics focus for the FE Exam need to be reviewed and compared with that of the CE program. Current efforts discuss ethics, in general, and those codes that provide guidance for the professional civil engineer, i.e., ASCE and NSPE Codes of Ethics. Also, it should be noted that rather than make a change based on one year's results of the FE, it would be better to review the student's performance over a longer period to see if there is trend. It is recommended that the FE criteria used for ethics continue, review both, the NSPE FE ethics objectives and the ethics activities included in the UL CIVE program and check for compatibility and performance in future exams.
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Reflection

Reflection

1) How were assessment results shared in the unit?

Please select all that apply; if "other", please use the text box to elaborate.

Distributed via email (selected)

Presented formally at staff/department/committee meeting

Discussed informally

Other (explain in text box below)

2) How frequently were assessment results shared in the unit?

Frequently (>4 times per cycle)

Periodically (2-4 times per cycle)

Once per cycle (selected)

Results were not shared this cycle

3) With whom were assessment results shared?

Please select all that apply.

Department Head (selected)

Dean / Asst. or Assoc. Dean

Departmental assessment committee (selected)

Other faculty / staff (selected)

Other (please explain in text box below)

4) What were the measurable or perceivable effects on your current (2016-2017) findings based on prior action plans (created in 2015-2016)?

5) What has the unit learned from the current assessment cycle?