

## 2017-2018 Assessment Cycle (College of Engineering) ENGR\_Petroleum 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 Department of Petroleum Engineering educates a diverse population of students to become petroleum engineers to perform applied research that benefits petroleum exploration and production, and to provide service to the industry and public. The mechanism for achieving this mission is through a strong foundation to prepare students for international careers, continued education, public service and lifelong learning. The program emphasizes applied and multi-disciplinary teamwork in instruction and in research.

### Goals (University/Program tied to Curriculum)

#### Standards/Outcomes

Identifier	Description
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<b>ABET-EAC.1.3</b>	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.
<b>ABET-EAC.1.3.1</b>	> an ability to apply knowledge of mathematics, science, and engineering
<b>ABET-EAC.1.3.10</b>	> a knowledge of contemporary issues
<b>ABET-EAC.1.3.11</b>	> an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
<b>ABET-EAC.1.3.12</b>	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.
<b>ABET-EAC.1.3.2</b>	> an ability to design and conduct experiments, as well as to analyze and interpret data
<b>ABET-EAC.1.3.3</b>	> an ability to design a system, component, or process to meet desired needs
<b>ABET-EAC.1.3.4</b>	> an ability to function on multi-disciplinary teams
<b>ABET-EAC.1.3.5</b>	> an ability to identify, formulate, and solve engineering problems
<b>ABET-EAC.1.3.6</b>	> an understanding of professional and ethical responsibility
<b>ABET-EAC.1.3.7</b>	> an ability to communicate effectively
<b>ABET-EAC.1.3.8</b>	> the broad education necessary to understand the impact of engineering solutions in a global and societal context
<b>ABET-EAC.1.3.9</b>	> a recognition of the need for, and an ability to engage in life-long learning

## Curriculum Map

### Assessment Findings for the Assessment Measure level for PETE Assessment(Imported)

Legend	A - Assessed
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Course/Event	Course Embedded Assessment				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
		Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39_ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=46 _ Class average=80.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		

Legend	A - Assessed
Course/Event	Course Embedded Assessment
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data
Assessment Measures	

	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382/384, PETE 481/483, PETE 486/488, PETE 491/493, and PETE 494/496 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=132 _ Class average=78.4 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		

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

	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 486, PETE 489, and PETE 491 PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=140 _ Class average=81.6 _ Outcomes' objectives met.		
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Legend	A - Assessed														
Course/Event	Course Embedded Assessment														
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams														
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			494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		
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Legend	A - Assessed				
Course/Event	Course Embedded Assessment				
Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61_ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		

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Legend	A - Assessed														
Course/Event	Course Embedded Assessment														
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility														
Assessment Measures	<table border="1"> <thead> <tr> <th>Assessment Measure</th> <th>Criterion</th> <th>Summary</th> <th>Attachments of the Assessments</th> <th>Improvement Narratives</th> </tr> </thead> <tbody> <tr> <td>Direct - Portfolio</td> <td>Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met</td> <td>Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 &amp; 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.</td> <td></td> <td></td> </tr> </tbody> </table>					Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		
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Legend	A - Assessed				
Course/Event	Course Embedded Assessment				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.			

Legend	A - Assessed
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Course/Event	Course Embedded Assessment				
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	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Student involvement in seminars, field trips, technical sessions (SPE, AADE, IADC, SPWLA), student paper contests, Petrobowl, and traveling overseas. Student enrollment in SPE student chapter is at 209 in 2018.		

Legend	A - Assessed				
Course/Event	Course Embedded Assessment				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0 More students are pursuing graduate degrees in different disciplines, 5 graduates have returned to pursue in MS in Petroleum engineering.		

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Course/Event	Course Embedded Assessment														
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues														
Assessment Measures	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Assessment Measure</th> <th style="width: 20%;">Criterion</th> <th style="width: 40%;">Summary</th> <th style="width: 15%;">Attachments of the Assessments</th> <th style="width: 10%;">Improvement Narratives</th> </tr> </thead> <tbody> <tr> <td>Direct - Portfolio</td> <td>Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met</td> <td>Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494                      PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met.                      PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met.                      PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met.                      PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met.                      PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met.                      PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met.                      PETE 491(001 &amp; 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met.                      PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met.                      PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.</td> <td></td> <td></td> </tr> </tbody> </table>					Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives	Direct - Portfolio	Has the criterion at least 90% of students are evaluated with an average score of greater than 70% using the Course Competency Matrix been met yet? Met	Assessed courses are: PETE 382, PETE 481, PETE 486, PETE 489, PETE 491, and PETE 494 PETE 382(001) - Students assessed=47 _ Class average=80.5 _ Outcomes' objectives met. PETE 481(001) - Students assessed=39 _ Class average=81.12 _ Outcomes' objectives met. PETE 481(002) - Students assessed=45 _ Class average=76.15 _ Outcomes' objectives met. PETE 486(001) - Students assessed=79 _ Class average=77.0 _ Outcomes' objectives met. PETE 486(002) - Students assessed=42 _ Class average=84.8 _ Outcomes' objectives met. PETE 489(001) - Students assessed=61 _ Class average=76.6 _ Outcomes' objectives met. PETE 491(001 & 002) - Students assessed=89 _ Class average=84.6 _ Outcomes' objectives met. PETE 494(001) - Students assessed=84 _ Class average=85.0 _ Outcomes' objectives met. PETE 494(002) - Students assessed=35 _ Class average=85.5 _ Outcomes' objectives met.		
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Course/Event	Course Embedded Assessment				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
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Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering				
Assessment					

Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
		Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet?	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

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Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

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Course/Event	Wild Well Control Certification				

Standard/Outcome	ABET-EAC.1.3.3 > an ability to design a system, component, or process to meet desired needs				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
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Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
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Standard/Outcome	ABET-EAC.1.3.5 > an ability to identify, formulate, and solve engineering problems				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
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					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

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Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1		



	receive a score of 70% or better been met yet? Met	In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		
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Legend	A - Assessed				
Course/Event	Wild Well Control Certification				
Standard/Outcome	ABET-EAC.1.3.11 > an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.				
Assessment Measures	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will receive a score of 70% or better been met yet? Met	In May 2018, 18 students enrolled in the IADC Drilling Operations Introductory (level 2) training, 17 students passed and 1 failed. The average is 84.1 In August 2018, 5 students enrolled in the IADC Drilling Operations Driller (level 3) training. 4 passed and 1 failed. The average is 78.0		

Legend	A - Assessed			
Course/Event	Marine Survival Training Certification			
Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams			
Assessment Measures				

	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

Legend	A - Assessed				
Course/Event	Marine Survival Training Certification				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

Legend	A - Assessed				
Course/Event	Marine Survival Training Certification				
Standard/Outcome	ABET-EAC.1.3.7 > an ability to communicate effectively				
Assessment Measures					

	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

Legend	A - Assessed				
Course/Event	Marine Survival Training Certification				
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					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

Legend	A - Assessed				
Course/Event	Marine Survival Training Certification				
Standard/Outcome	ABET-EAC.1.3.9 > a recognition of the need for, and an ability to engage in life-long learning				
Assessment Measures					
	<b>Assessment</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of</b>	<b>Improvement</b>

	<b>Measure</b>			<b>the Assessments</b>	<b>Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

Legend	A - Assessed				
Course/Event	Marine Survival Training Certification				
Standard/Outcome	ABET-EAC.1.3.10 > a knowledge of contemporary issues				
Assessment Measures					
	<b>Assessment Measure</b>	<b>Criterion</b>	<b>Summary</b>	<b>Attachments of the Assessments</b>	<b>Improvement Narratives</b>
	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

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

	Direct - Standardized Test	Has the criterion 80% of the students taking the certification exam will pass the exam and become certified been met yet?	Starting in January 2018, 6 students per month are passing the HUET certification and the average grade is 85.		

## Summary of Improvement Narratives

### Improvement Narrative List

#### Assessment Findings for the Assessment Measure level

No improvement narratives have been added.

## Reflection

### Reflection

**The primary purpose of assessment is to use data to inform decisions and improve programs and operations; this is an on-going process of defining goals and expectations, collecting results, analyzing data, comparing current and past results and initiatives, and making decisions based on these reflections. Recalling this purpose, respond to the questions below.**

#### 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

Presented formally at staff/department/committee meeting (selected)

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) (selected)
- Once per cycle
- Results were not shared this cycle

**3) With whom were assessment results shared?**

*Please select all that apply.*

- Department Head
- Dean / Asst. or Assoc. Dean
- Departmental assessment committee
- Other faculty / staff (selected)
- Other (please explain in text box below)

Assessment results were shared with faculty and staff during department meetings at the beginning of each semester.

**4) Consider the impact of prior applied changes. Specifically, compare current results to previous results to evaluate the impact of a previously reported change. Demonstrate how the use of results improved student learning and/or operations.**

25 students went through the certification process with IADC and 24 have passed (1 failed) thanks to improvements to Drilling Fluids Lecture (PETE 382), Drilling Fluids Lab (PETE 384), Drilling Engineering Lecture (PETE 491) and Drilling Engineering Laboratory (PETE 493) material.

**5) Over the past three assessment cycles, what has been the overall impact of "closing the loop"? Provide examples of improvements in student learning, program quality, or department operations that are directly linked to assessment data and follow-up analysis.**

During this assessment cycle, unit learned that there is a need to improve further the content of Drilling Engineering Lecture (PETE 491) and Laboratory (PETE 493) material with more field applications.

**Attachments (optional)**

*Upload any documents which support the assessment process.*