

2016-2017 Assessment Cycle (College of Engineering) ENGR_Mechanical 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".

Our mission is to provide quality education and meaningful career opportunities for mechanical engineering graduates of the University of Louisiana at Lafayette. We develop highly qualified graduates with potential to assume engineering positions of increasing responsibility in industry, or to pursue higher learning in the form of graduate studies; We facilitate relevant research and development activities for faculty for economic and professional development, faculty proficiency, and feedback to the instructional program; We provide services to the College of Engineering, the University, and the Community in which this University resides.

Goals (University/Program tied to Curriculum)

Standards/Outcomes

Identifier	Description
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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
MCHE BS.1	Prepare students to work professionally in the mechanical systems area
MCHE BS.2	Prepare students to work professionally in thermo-fluid systems area

Curriculum Map

Assessment Findings for the Assessment Measure level for Mechanical Engineering BS

Legend	A - Assessed				
Course/Event	MCHE 357				
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 meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 357				
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 meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 357				
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 - Written Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 358				
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 meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 358				
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 meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 358				
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 - Written Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 358				

Standard/Outcome	MCHE BS.2 Prepare students to work professionally in thermo-fluid systems area				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Written Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet?			

Legend	A - Assessed				
Course/Event	MCHE 469				
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 - Written Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Not met	The instrument for this measure was a test on radiation heat transfer, which involves significant amounts of high-level math. On this test 16/44 students scored 70% or more, which was the minimum expectation for success. Therefore, this criterion was not met.		- Pedagogical Change : Additional time will be added to the radiation section, with review of the mathematical techniques required. The impact will be assessed during the next year.

Legend	A - Assessed				
Course/Event	MCHE 469				
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 - Written Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	A test was given involving heat exchangers, which requires the students to show that they can identify the type of problem to be solved, formulate the problem, and then solve it. On this measure, 40/44 students (91%) satisfied the criterion.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 83.6 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 91.5 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 83.4 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Not met	Average score was 74.5 out of 100.		- Assessment Process: Results Discussed / Shared: This result will be shared with the instructors of MCHE 357 and 358 to see if there is a way to improve student performance on this Outcome.

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 80.3 out of 100.		

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Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Not met	Average score was 77.2 out of 100.		- Pedagogical Change : Increased emphasis in class on teamwork.

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 84.1 out of 100.		

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Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 88.8 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 91.8 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 90.8 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
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 - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed for the work products developed in this class been met yet? Met	Average score was 90.7 out of 100.		

Legend	A - Assessed				
Course/Event	MCHE 484				
Standard/Outcome	MCHE BS.1 Prepare students to work professionally in the mechanical systems area				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Direct - Capstone Assignment	Has the criterion 80% of the students will meet or exceed expectations according to the rubric developed been met yet? Met	Average score was 94.6 out of 100.		

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 - students	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				

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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 The target is that 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations. been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
Standard/Outcome	ABET-EAC.1.3.6 > an understanding of professional and ethical responsibility				
Assessment Measures	Assessment	Criterion	Summary	Attachments of the	Improvement

	Measure			Assessments	Narratives
	Indirect - Survey - students	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			
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Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
Standard/Outcome	MCHE BS.1 Prepare students to work professionally in the mechanical systems area				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

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Legend	A - Assessed				
Course/Event	Senior Exit Interviews				
Standard/Outcome	MCHE BS.2 Prepare students to work professionally in thermo-fluid systems area				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Exit Interviews	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 - students	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

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Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 The target is that 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations. been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				

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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
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 surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
Standard/Outcome	MCHES BS.1 Prepare students to work professionally in the mechanical systems area				
Assessment Measures	Assessment	Criterion	Summary	Attachments of the	Improvement

	Measure			Assessments	Narratives
	Indirect - Survey - students	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Legend	A - Assessed				
Course/Event	Student Advisory Committee				
Standard/Outcome	MCHE BS.2 Prepare students to work professionally in thermo-fluid systems area				
Assessment Measures	Assessment Measure	Criterion	Summary	Attachments of the Assessments	Improvement Narratives
	Indirect - Survey - students	Has the criterion 80% of the students surveyed will indicate that their education relative to this outcome met or exceeded their expectations been met yet?			

Summary of Improvement Narratives

Improvement Narrative List

Assessment Findings for the Assessment Measure level

Standard/Outcome	ABET-EAC.1.3.1 > an ability to apply knowledge of mathematics, science, and engineering
Legend	A

Course/Event	MCHE 469	
Assessment Measure	Direct - Written Assignment	
Assessment Findings	Not met	
Improvement Narrative		
	Improvement Type	Summary
	Pedagogical Change	Additional time will be added to the radiation section, with review of the mathematical techniques required. The impact will be assessed during the next year.

Standard/Outcome	ABET-EAC.1.3.2 > an ability to design and conduct experiments, as well as to analyze and interpret data	
Legend	A	
Course/Event	MCHE 484	
Assessment Measure	Direct - Capstone Assignment	
Assessment Findings	Not met	
Improvement Narrative		
	Improvement Type	Summary
	Assessment Process: Results Discussed / Shared	This result will be shared with the instructors of MCHE 357 and 358 to see if there is a way to improve student performance on this Outcome.

Standard/Outcome	ABET-EAC.1.3.4 > an ability to function on multi-disciplinary teams
Legend	A
Course/Event	MCHE 484
Assessment Measure	Direct - Capstone Assignment
Assessment Findings	Not met

Improvement Narrative		
	Improvement Type	Summary
	Pedagogical Change	Increased emphasis in class on teamwork.

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 (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 (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)?

A complete review of all assessment procedures was initiated in 2016 - 2017. This year a new assessment tool (LiveText) was implemented to record our assessment activities. During the implementation process several potential issues were observed regarding the assessment procedures. During the coming year the assessment instruments will be reviewed further to determine whether they are still appropriate or if they need to be changed.

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

We learned that we have some student performance issues with teamwork and ability to conduct experiments. Additional emphasis will be placed on these topics in the appropriate classes and the issues will be monitored to see if there is improvement.