Mission / Purpose

Our mission, as aligned with the university, college, and department vision, is teaching, research, and service. The Department of Mechanical Engineering will: 1. Provide high-quality undergraduate, graduate, and continuing education in mechanical engineering that will prepare our graduates for professional careers and a lifetime of learning; 2. Conduct high-quality research programs that support the undergraduate and graduate education objectives, assist in economic development of the state and nation, and advance the general state of knowledge; 3. Serve individual practicing engineers, industry, government, educational entities, and technical societies through active involvement with these groups and by providing professional expertise; and 4. Ensure that our students are well educated technically, have some practical training, and have actively participated in professional society activities.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Technical competency beyond B.S.
(Discipline Knowledge) Demonstrate competency in either mechanical systems or thermal systems subdisciplines beyond the level required for the Bachelor’s degree.

Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 1: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Faculty pre-test / post-test of knowledge mastery

Target:
score of > 3.5/5

M 2: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

Target:
average score > 3.5/5

Related Action Plans (by Established cycle then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com..

SLO 2: Advanced Concepts and techniques
(Skills/Abilities) Solve problems in areas related to mechanical engineering using advanced concepts and techniques.

Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 3: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Senior thesis or culminating major project

Target:
average score > 3.5/5

M 4: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

Target:
average score > 3.5/5
Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...

SLO 3: An Improvement Outcome
An Improvement Outcome Derived From their 2010-11 Assessment Findings
Connected Document
Masters in mechanical engineering Curriculum Map II

SLO 4: Novel problems and solutions
Possess the ability to examine novel problems and/or situations in areas related to mechanical engineering and research/formulate solutions to these problems and/or solutions.
Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 5: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates work for originality and novelty on a scale of 1 (poor) to 5 (excellent) on a survey instrument.
Source of Evidence: Senior thesis or culminating major project
Target:
average score > 3.5/5

M 6: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates originality and novelty of problem solutions on a scale of 1 (poor) to 5 (excellent) on a survey instrument
Source of Evidence: Portfolio, showing skill development or best work
Target:
average score > 3.5/5

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...

M 7: Prepared for publication
prepared for publication—thesis students usually prepare articles for publication. In these cases the student will present a portfolio of published papers and articles and drafts of prepared articles. The examining committee will score the candidates work for originality and novelty on a scale of 1 (poor) to 5 (excellent) on a survey instrument. The instrument will also document the number of published peer-reviewed articles and papers.
Source of Evidence: Academic direct measure of learning - other
Target:
average score > 3.5/5

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtcn 5: Recognized quality
The program will improve and sustain a high level of recognized quality.

OthOtcn 6: Optimal level
The program will build and sustain an optimal level of annual program enrollments and degree completion

OthOtcn 7: Valued by graduates and constituents
The program will be highly valued by its program graduates and other key constituencies it serves

Details of Action Plans for This Cycle (by Established cycle, then alpha)

Improve Collection of MSME Plan I Program Assessment Data

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...
assessment committee with necessary assessment data. The data include (1) a scoring rubric to be filled out by committee members attending thesis defenses, and (2) a copy of all submitted, accepted, and published refereed journal and conference papers for which the graduating MSME student is the author or a co-author, and a graduate course portfolio.

To solve this problem we have created a tally sheet that is to be turned into the department before the student will be approved for graduation. The tally sheet is to be signed by the student’s advisor, who must attach to the sheet all required assessment documents. The department head must see and approve the tally sheet before signing the thesis final exam pass form for the Graduate School.

We will institute this corrective action plan immediately.

Established in Cycle: 2011-2012
Implementation Status: Finished
Priority: High

Relationships (Measure | Outcome/Objective):
  Measure: Portfolio | Outcome/Objective: Advanced Concepts and techniques
  Measure: Prepared for publication | Outcome/Objective: Novel problems and solutions

Implementation Description: A tally sheet has been developed. Tally Sheet is attached in the document list.
Projected Completion Date: 08/2012
Responsible Person/Group: Dr. K. Clark Middiff, Mechanical Engineering Department Head
Connected Document
  MSME Plan I Tally Sheet

Improve Collection of MSME Plan II Program Assessment Data

We have experienced difficulty in getting faculty advisors and graduating MSME Plan II students to provide our assessment committee with necessary assessment data. The information needed is a (1) scoring rubric to be filled out by committee members who administer the comprehensive exam and (2) a graduate course portfolio.

To solve this problem we have created a tally sheet that is to be turned into the department before the student will be approved for graduation. The tally sheet is to be signed by the student’s advisor, who must attach to the sheet all required assessment documents. The department head must see and approve the tally sheet before signing the comprehensive exam pass form for the Graduate School.

We will institute this corrective action plan immediately.

Established in Cycle: 2011-2012
Implementation Status: Finished
Priority: High
Implementation Description: A tally sheet has been developed. Tally Sheet in document list.
Projected Completion Date: 08/2012
Responsible Person/Group: Dr. K. Clark Middiff, Mechanical Engineering Department Head
Connected Document
  MSME Plan II Tally Sheet
Detailed Assessment Report  
2012-2013 Mechanical Engineering M.S.M.E.  
As of: 7/19/2014 10:33 AM CENTRAL

Mission / Purpose

Our mission, as aligned with the university, college, and department vision, is teaching, research, and service. The Department of Mechanical Engineering will: 1. Provide high-quality undergraduate, graduate, and continuing education in mechanical engineering that will prepare our graduates for professional careers and a lifetime of learning; 2. Conduct high-quality research programs that support the undergraduate and graduate education objectives, assist in economic development of the state and nation, and advance the general state of knowledge; 3. Serve individual practicing engineers, industry, government, educational entities, and technical societies through active involvement with these groups and by providing professional expertise; and 4. Ensure that our students are well educated technically, have some practical training, and have actively participated in professional society activities.

Student Learning Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Technical competency beyond B.S.  
(Discipline Knowledge) Demonstrate competency in either mechanical systems or thermal systems subdisciplines beyond the level required for the Bachelor’s degree.

Connected Document  
Masters in mechanical engineering Curriculum Map II

Related Measures

M 1: Thesis or comprehensive exam  
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Faculty pre-test / post-test of knowledge mastery

Target:

score of > 3.5/5

M 2: Portfolio  
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

Target:

Average score > 3.5/5

Related Action Plans (by Established cycle, then alpha):

For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data  
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment comments.

SLO 2: Advanced Concepts and techniques  
(Skills/Abilities) Solve problems in areas related to mechanical engineering using advanced concepts and techniques.

Connected Document  
Masters in mechanical engineering Curriculum Map II

Related Measures

M 3: Thesis or comprehensive exam  
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Senior thesis or culminating major project

Target:

average score > 3.5/5

M 4: Portfolio  
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

Target:

average score > 3.5/5
Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...

SLO 3: An Improvement Outcome
An Improvement Outcome Derived From their 2010-11 Assessment Findings
Connected Document
Masters in mechanical engineering Curriculum Map II

SLO 4: Novel problems and solutions
Possess the ability to examine novel problems and/or situations in areas related to mechanical engineering and research/formulate solutions to these problems and/or solutions.
Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 5: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates work for originality and novelty on a scale of 1 (poor) to 5 (excellent) on a survey instrument.
Source of Evidence: Senior thesis or culminating major project
Target: average score > 3.5/5

M 6: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates originality and novelty of problem solutions on a scale of 1 (poor) to 5 (excellent) on a survey instrument.
Source of Evidence: Portfolio, showing skill development or best work
Target: average score > 3.5/5

Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans

OthOtm 5: Recognized quality
The program will improve and sustain a high level of recognized quality.

OthOtm 6: Optimal level
The program will build and sustain an optimal level of annual program enrollments and degree completion

OthOtm 7: Valued by graduates and constituents
The program will be highly valued by its program graduates and other key constituencies it serves

Details of Action Plans for This Cycle (by Established cycle, then alpha)

Improve Collection of MSME Plan I Program Assessment Data
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our
assessment committee with necessary assessment data. The data include (1) a scoring rubric to be filled out by committee members attending thesis defenses, and (2) a copy of all submitted, accepted, and published refereed journal and conference papers for which the graduating MSME student is the author or a co-author, and a graduate course portfolio.

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We will institute this corrective action plan immediately.

Established in Cycle: 2011-2012
Implementation Status: Finished
Priority: High

Relationships (Measure | Outcome/Objective):
  Measure: Portfolio | Outcome/Objective: Advanced Concepts and techniques
  Measure: Prepared for publication | Outcome/Objective: Novel problems and solutions

Implementation Description: A tally sheet has been developed. Tally Sheet is attached in the document list.
Projected Completion Date: 08/2012
Responsible Person/Group: Dr. K. Clark Midkiff, Mechanical Engineering Department Head.

Connected Document
MSME Plan I Tally Sheet

Improve Collection of MSME Plan II Program Assessment Data

We have experienced difficulty in getting faculty advisors and graduating MSME Plan II students to provide our assessment committee with necessary assessment data. The information needed is a (1) scoring rubric to be filled out by committee members who administer the comprehensive exam and (2) a graduate course portfolio.

To solve this problem we have created a tally sheet that is to be turned into the department before the student will be approved for graduation. The tally sheet is to be signed by the student's advisor, who must attach to the sheet all required assessment documents. The department head must see and approve the tally sheet before signing the comprehensive exam pass form for the Graduate School.

We will institute this corrective action plan immediately.

Established in Cycle: 2011-2012
Implementation Status: Finished
Priority: High

Implementation Description: A tally sheet has been developed. Tally Sheet in document list.
Projected Completion Date: 08/2012
Responsible Person/Group: Dr. K. Clark Middif, Mechanical Engineering Department Head

Connected Document
MSME Plan II Tally Sheet
Mission / Purpose

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(Discipline Knowledge) Demonstrate competency in either mechanical systems or thermal systems subdisciplines beyond the level required for the Bachelor's degree.

Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 1: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Faculty pre-test / post-test of knowledge mastery

Target:
score of > 3.5/5

Finding (2011-2012) - Target: Met
During the 2011-2012 year, the score was 4.19/5.0. The target was met.

M 2: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates competency in the subdiscipline on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

Target:
Average score > 3.5/5

Finding (2011-2012) - Target: Met
Score 4.3/5. Target met.

Related Action Plans (by Established cycle, then alpha):
For full information, see the Details of Action Plans section of this report.

Improve Collection of MSME Plan I Program Assessment Data
Established in Cycle: 2011-2012
We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com...

SLO 2: Advanced Concepts and techniques
(Skills/Abilities) Solve problems in areas related to mechanical engineering using advanced concepts and techniques.

Connected Document
Masters in mechanical engineering Curriculum Map II

Related Measures

M 3: Thesis or comprehensive exam
Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Senior thesis or culminating major project

Target:
average score > 3.5/5

Finding (2011-2012) - Target: Met
During the 2011-2012 period, the score was 4.13/5.00. The target was met.

M 4: Portfolio
Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates ability to use advanced concepts and techniques on a scale of 1 (poor) to 5 (excellent) on a survey instrument

Source of Evidence: Portfolio, showing skill development or best work

**Target:**

average score > 3.5/5

**Finding (2011-2012) - Target: Met**

Score 4.2/5. Target met.

**Related Action Plans (by Established cycle, then alpha):**

For full information, see the Details of Action Plans section of this report.

**Improve Collection of MSME Plan I Program Assessment Data Established in Cycle: 2011-2012**

We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com..

**SLO 3: An Improvement Outcome**

An Improvement Outcome Derived From their 2010-11 Assessment Findings

**Connected Document**

Masters in mechanical engineering Curriculum Map II

**SLO 4: Novel problems and solutions**

Possess the ability to examine novel problems and/or situations in areas related to mechanical engineering and research/formulate solutions to these problems and/or solutions.

**Connected Document**

Masters in mechanical engineering Curriculum Map II

**Related Measures**

**M 5: Thesis or comprehensive exam**

Thesis or comprehensive exam—plan I students write a thesis and the thesis defense is the comprehensive exam; plan II students take a written comprehensive exam on three subjects related to the core of her/his subdiscipline. At the time of the thesis defense or the comprehensive exam the examining committee will score the candidates work for originality and novelty on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Senior thesis or culminating major project

**Target:**

average score > 3.5/5

**Finding (2011-2012) - Target: Met**

During the 2011-2012 term, the score was 3.94/5.00. The target was met.

**M 6: Portfolio**

Portfolio—each candidate will provide a portfolio of materials from three graduate courses in her/his area of specialization that includes projects, tests, exams, and other materials. The examining committee will independently score the candidates originality and novelty of problem solutions on a scale of 1 (poor) to 5 (excellent) on a survey instrument.

Source of Evidence: Portfolio, showing skill development or best work

**Target:**

average score > 3.5/5

**Finding (2011-2012) - Target: Met**

Score 3.8/5. Target met.

**Related Action Plans (by Established cycle, then alpha):**

For full information, see the Details of Action Plans section of this report.

**Improve Collection of MSME Plan I Program Assessment Data Established in Cycle: 2011-2012**

We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com..

**M 7: Prepared for publication**

prepared for publication—the student usually prepare articles for publication. In these cases the student will present a portfolio of published papers and articles and drafts of prepared articles. The examining committee will score the candidates work for originality and novelty on a scale of 1 (poor) to 5 (excellent) on a survey instrument. The instrument will also document the number of published peer-reviewed articles and papers.

Source of Evidence: Academic direct measure of learning - other

**Target:**

average score > 3.5/5

**Finding (2011-2012) - Target: Not Reported This Cycle**

Not reported this cycle.

**Related Action Plans (by Established cycle, then alpha):**

For full information, see the Details of Action Plans section of this report.

**Improve Collection of MSME Plan I Program Assessment Data Established in Cycle: 2011-2012**

We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment com.
**Other Outcomes, with Any Associations and Related Measures, Targets, Findings, and Action Plans**

**OthOtcn 5: Recognized quality**
The program will improve and sustain a high level of recognized quality.

**OthOtcn 6: Optimal level**
The program will build and sustain an optimal level of annual program enrollments and degree completion

**OthOtcn 7: Valued by graduates and constituents**
The program will be highly valued by its program graduates and other key constituencies it serves

### Details of Action Plans for This Cycle (by Established cycle, then alpha)

**Improve Collection of MSME Plan I Program Assessment Data**

We have experienced difficulty in getting faculty advisors and graduating MSME Plan I students to provide our assessment committee with necessary assessment data. The data include (1) a scoring rubric to be filled out by committee members attending thesis defenses, and (2) a copy of all submitted, accepted, and published refereed journal and conference papers for which the graduating MSME student is the author or a co-author, and a graduate course portfolio.

To solve this problem we have created a tally sheet that is to be turned into the department before the student will be approved for graduation. The tally sheet is to be signed by the student's advisor, who must attach to the sheet all required assessment documents. The department head must see and approve the tally sheet before signing the thesis final exam pass form for the Graduate School.

We will institute this corrective action plan immediately.

**Established in Cycle:** 2011-2012  
**Implementation Status:** Finished  
**Priority:** High  
**Relationships (Measure | Outcome/Objective):**  
- Measure: Portfolio  
- Outcome/Objective: Advanced Concepts and techniques  
  - Novel problems and solutions  
  - Technical competency beyond B.S.  
- Measure: Prepared for publication  
- Outcome/Objective: Novel problems and solutions

**Implementation Description:** A tally sheet has been developed. Tally Sheet is attached in the document list.  
**Projected Completion Date:** 08/2012  
**Responsible Person/Group:** Dr. K. Clark Middiff, Mechanical Engineering Department Head  
**Connected Document**  
[MSME Plan I Tally Sheet](#)

**Improve Collection of MSME Plan II Program Assessment Data**

We have experienced difficulty in getting faculty advisors and graduating MSME Plan II students to provide our assessment committee with necessary assessment data. The information needed is a (1) scoring rubric to be filled out by committee members who administer the comprehensive exam and (2) a graduate course portfolio.

To solve this problem we have created a tally sheet that is to be turned into the department before the student will be approved for graduation. The tally sheet is to be signed by the student's advisor, who must attach to the sheet all required assessment documents. The department head must see and approve the tally sheet before signing the comprehensive exam pass form for the Graduate School.

We will institute this corrective action plan immediately.

**Established in Cycle:** 2011-2012  
**Implementation Status:** Finished  
**Priority:** High  
**Implementation Description:** A tally sheet has been developed. Tally Sheet in document list.  
**Projected Completion Date:** 08/2012  
**Responsible Person/Group:** Dr. K. Clark Middiff, Mechanical Engineering Department Head  
**Connected Document**  
[MSME Plan II Tally Sheet](#)
Curriculum Map II  (What assessment measures will be employed in which courses/activities/assignments for each Student learning Outcome)

<table>
<thead>
<tr>
<th></th>
<th>Student Learning Outcome 1</th>
<th>Student Learning Outcome 2</th>
<th>Student Learning Outcome 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master’s Thesis</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Plan II Comp Exam</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Portfolio</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Articles</td>
<td></td>
<td></td>
<td>x</td>
</tr>
</tbody>
</table>

Optional Additional Narrative: The data collection methods for the graduate assessment has been improved by developing instruments to document the committees assessments at different points in the program and by the addition of the portfolio of course work materials that is independently assessed by the dissertation committee.
Assessment Data Tally Sheet for Graduating MSME Plan I Students

Student Name: __________________________________________________________

Advisor(s) Name(s): ____________________________________________________

Enter year for correct graduation semester:  Fall _______  Spring _______  Summer _______

| Thesis Defense Scoring Rubrics Attached for Committee Members (enter names): | Scoring Rubric Attached (Enter “yes” or “no”) |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |

Attach to this sheet a copy of all papers authored or co-authored by your PhD student, and complete the table below by filling in the number of papers in each category.

<table>
<thead>
<tr>
<th></th>
<th>Refereed Journal</th>
<th>Refereed Conference</th>
<th>Conference</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number published:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number accepted:</td>
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<tr>
<td>Number submitted:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I certify that the above information is correct, that the (1) thesis defense scoring rubrics, (2) the coursework portfolio and (3) requested copies of all papers are attached.

Committee chair signature __________________________________________ Date: _______________
Assessment Data Tally Sheet for Graduating MSME Plan II Students

Student Name: _______________________________________________________

Advisor(s) Name(s): ___________________________________________________

Enter year for correct graduation semester:  Fall _______  Spring _______  Summer _______

<table>
<thead>
<tr>
<th>Scoring Rubrics From Comprehensive Exam Attached for Committee Members (enter names):</th>
<th>Scoring Rubric Attached (Enter “yes” or “no”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
</tr>
</tbody>
</table>

I certify that the above information is correct, and that the (1) comprehensive exam scoring rubrics, and (2) the coursework portfolio are attached.

Committee chair signature __________________________ Date: _______________