Assessment: Assessment Plan

Degree Program - ENG - Manufacturing Engineering (MS)

CIP Code: 14.3601.00
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Modality: Face-to-Face

Student Learning Outcome: Communication
Students will demonstrate ability to effectively communicate through oral and written means.
Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/24/2015

Assessment Methods

Master’s Comprehensive Exam - Master’s Comprehensive Exam – Communication Rubric (Active)
Criterion: 50% of students will score at least 3.0/4.0 on the rubric
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected by faculty administering the Master’s Comp Exam every time that exam is offered and results compiled.

Student Exit Survey - Master’s Exit Survey – Communication Rubric (Active)
Criterion: 50% of students will score at least 3.0/4.0 on the rubric
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp Exam every time that exam is offered and rubric will be applied by the graduate committee chair. Results will be compiled.

Student Learning Outcome: Fundamental Knowledge of Systems
Students will demonstrate fundamental knowledge of systems and engineering management (SYEM) concepts.
Outcome Status: Active
Outcome Type: Student Learning
Start Date: 08/24/2015

Assessment Methods

Master’s Comprehensive Exam - Master’s Comprehensive Exam – Results (Active)
Criterion: 90% of students will pass the exam.
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected every time exam is offered and results compiled.

Student Exit Survey - Master’s Exit Survey – Fundamental Knowledge Questions (Active)
Criterion: 80% of students will score at least 8.0/10.0 on the questions related to knowledge gained from the program.
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp
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Exam every time that exam is offered and results compiled.

### Student Learning Outcome: Professional Settings

Students will demonstrate ability to work effectively in professional settings.

- **Outcome Status:** Active
- **Outcome Type:** Student Learning
- **Start Date:** 08/24/2015

### Assessment Methods

<table>
<thead>
<tr>
<th>Employment - LinkedIn Searching – Job Placement (Active)</th>
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<tbody>
<tr>
<td><strong>Criterion:</strong> 70% of students with industry or academic placement within 1 academic year of graduation</td>
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Note: Prior to 2018-19 a Student Exit Survey was used.

- **Schedule:** Every year. Data will be collected each year during the Spring semester for the previous academic year’s graduates. Results will be compiled.

<table>
<thead>
<tr>
<th>Student Exit Survey - Master’s Exit Survey – Teamwork Questions (Active)</th>
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<tbody>
<tr>
<td><strong>Criterion:</strong> 80% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.</td>
</tr>
</tbody>
</table>

- **Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp Exam every time that exam is offered and rubric will be applied by the graduate committee chair. Results will be compiled.