Degree Program Assessment Plan

Degree Program - ENG - Industrial Engineering (PHD)

Disciplinary Accrediting Body: 14.3501.00
Next Program Review: 15-16
Degree Program Coordinator: Bryan Norman
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Program Purpose Statement: Help PhD students pursue leadership positions in research, manufacturing, government, and consulting organizations.

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

Dissertation - Proposal Defense – Communication Rubric (Active)
Criterion: 80% 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 every time exam is offered by student’s examining committee and results compiled.

Professional Development Activities - Conference Presentation (Active)
Criterion: 70% of students will have at least one conference presentation with a paper within 3 years of their graduation.
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected using faculty polling and search engines.

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

Student Exit Survey - PhD Exit Survey – Job Placement (Active)
Criterion: 70% of students will have an industry or academic placement at the time of graduation.
Schedule: Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the PhD Final Exam every time that exam is offered and results compiled.

Student Exit Survey - PhD Exit Survey – Teamwork Questions (Active)
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**Criterion:** Pre-2017-2018: 90% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.
2017-2018 and beyond: 80% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the PhD Final Exam every time that exam is offered and results compiled.

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**Student Learning Outcome: Fundamental Concepts**

Students will demonstrate fundamental knowledge of industrial engineering (IE) concepts.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

**Assessment Methods**

**Qualifying Exam - Qualifying Exam (Active)**

**Criterion:** 90% of students will pass the exam the first time.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected every time exam is offered and results compiled.

**Professional Development Activities - Journal Publications (Active)**

**Criterion:** 80% of students will have at least one peer reviewed journal publication within 3 years of their graduation.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected using faculty polling and search engines.