

Assessment: Assessment Plan

Degree Program - ENG - Industrial Engineering (PHD)

CIP Code: 14.3501.00

Disciplinary Accrediting Body: 14.3501.00

Next Accrediting Agency Review: 15-16

Degree Program Coordinator: Jennifer Cross

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Program Purpose Statement: Help PhD students pursuit leadership positions in research, manufacturing, government, and consulting organizations.

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

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

Employment - LinkedIn Searching – Job Placement (Active)

Criterion: 70% of students with industry or academic placement within 1 academic year of graduation.

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.

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Results will be compiled.

Student Exit Survey - PhD Exit Survey – Teamwork Questions (Active)

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.

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.