

Academic Year 2025-2026

ME-Industrial Engineering - ME-MEIE Learning Outcomes

Solve complex engineering problems

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. The following rubric is used in assessment.

MEASURES	RESULTS	ACTIONS
INEN 5394 This class project is a full programming assignment with presentation focused on value. Target 80% of student projects are in the top 2 rubric categories. Three professors evaluate the project.	MET INEN 5394 ■ Exceeded  0% 100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded: 100% Met Total: 100% Not Met Total:	No actions have been added.
Student survey results This course is used for student survey results due to the large number of students who taken the course and the courses focus on math based methods. Indirect - Survey <i>Prod & Invent Control: INEN 5350</i>	MET Student survey results ■ Exceeded ■ Met ■ Approached  0% 100% Exceeded: 73% Met: 25% Approached: 2% Met Total: 98% Not Met Total: 2%	No actions have been added.

Apply engineering design

An ability to apply engineering design to produce solutions appropriately. The following rubric is used in assessment.

MEASURES	RESULTS	ACTIONS
Student project Direct - Presentation <i>Engineering Database Design: INEN 5394</i> Target 80% of students achieve the target. A sample of 10 are assessed by 3 faculty	MET Student project ■ Exceeded  0% 100%	No actions have been added.

members. The project is an open project where AI software development is allowed. The project are graded on value of design standard.	Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded:100% Met Total:100% Not Met Total:	
Student survey Indirect - Survey Prod & Invent Control: INEN 5350 Target This course covers a large number of math based methods.	MET Student survey ExceededMet 0%100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded:80% Met:20% Met Total:100% Not Met Total:	No actions have been added.

Use modern engineering tools

An ability to use modern engineering tools to produce engineering analysis in a systematic manner. The following rubric is used in assessment.

MEASURES	RESULTS	ACTIONS
Student project Direct - Presentation Engineering Database Design: INEN 5394 Target 80% of students achieve a score of 3 or above on standard evaluated by 3 faculty members.	MET Student project Exceeded 0%100% Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded:100% Met Total:100% Not Met Total:	No actions have been added.
Self Reported Performance Indirect - Survey Prod & Invent Control: INEN 5350 Target 80% of student report in the top 2 categories.	MET Self Reported Performance ExceededMet 0%100%	No actions have been added.

	Values are not shown when too close to each other. Click or use arrow keys to see details. Exceeded:80% Met:20% Met Total:100% Not Met Total:	
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