

Academic Year 2025-2026

MES-Mechanical Engineering - MES-MSME Learning Outcomes

Student Learning Outcome #1 **MET**

Students will demonstrate an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

MEASURES	RESULTS	ACTIONS
ENGR 5391 Thesis Direct - Assignment <i>Thesis: ENGR 5391</i> Target 75% of the students will achieve a score of 3 out of 4 or above.	MET ENGR 5391 Thesis ■ 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: Analysis Based on the assessment on students' thesis, it is included that this outcome is met.	Other - [Thesis Students] COMPLETE While there was no master thesis student graduated last year, faculty recruited and graduated 2 students this year.
Student Survey Indirect - Survey Target 75% of the students will achieve a score of 3 out of 4 or above.	MET Student Survey ■ 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: Analysis The survey data collected show that this outcome is met.	No actions have been added.

Student Learning Outcome #2

Students will demonstrate an ability to develop and conduct appropriate experimentation or numerical simulation, analyze and interpret data, and use engineering judgment to draw conclusions and produce solutions appropriately.

MEASURES	RESULTS	ACTIONS
ENGR 5391 Thesis Direct - Assignment Thesis: ENGR 5391 Target 75% of the students will achieve a score of 3 out of 4 or above.	MET ENGR 5391 Thesis 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: Analysis Based on the assessment of students' thesis, this outcome is met.	No actions have been added.
Student Survey Indirect - Survey Target 75% of the students will achieve a score of 3 out of 4 or above.	MET Student Survey 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: Analysis Based on the survey data collected, this outcome is met.	No actions have been added.

Student Learning Outcome #3

Students will demonstrate an ability to use modern engineering tools to produce engineering analysis in a systematic manner.

MEASURES	RESULTS	ACTIONS
ENGR 5391 Thesis Direct - Assignment <i>Thesis: ENGR 5391</i> Target	MET ENGR 5391 Thesis Exceeded	<i>No actions have been added.</i>

75% of the students will achieve a score of 3 out of 4 or above.	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: Analysis Based on the assessment of students' thesis, this outcome is met.	
Student Survey Indirect - Survey Target 75% of the students will achieve a score of 3 out of 4 or above.	MET Student Survey ■ 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: Analysis Based on the survey data collected, this outcome is met.	No actions have been added.

Student Learning Outcome #4

Students will demonstrate an ability to complete a master thesis and effectively communicate the thesis work with a range of audiences.

MEASURES	RESULTS	ACTIONS
ENGR 5391 Thesis Direct - Assignment <i>Thesis: ENGR 5391</i> Target 75% of the students will achieve a score of 3 out of 4 or above.	MET ENGR 5391 Thesis ■ 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.

	Analysis Based on the assessment of students' thesis, this outcome is met.	
ENGR 5391 Oral Defense Direct - Presentation Thesis: ENGR 5391 Target 75% of the students will achieve a score of 3 out of 4 or above.	MET ENGR 5391 Oral Defense ■ 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: Analysis Based on the assessment of students' oral defense, this outcome is met.	No actions have been added.