## 2024-2025 Assessment Plans and Reports

## **BS in Electrical Engineering - BS-ELEN**

Academic year 2024-2025

BS in Electrical Engineering - BS-ELEN Learning Outcomes

## SO1 MET

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

MEASURES	RESULTS	ACTIONS
Exam Question  Direct - Exam (Course)  Embedded Microprocesso Systems: ELEN 4486  Target	MET  Exam Question ■ Exceeded ■ Met ■ Not Met	Revise Curriculum  IN PROGRESS  The target was met in the three PIs, however the instructor plans to continue modernizing the course and also discusses CUDA programming next time.
70% of the students will get 80% or more. <u>Direct Assess for Description.pdf</u>	0% 100%  Exceeded: 12% Met: 70% Not Met: 18%  Met Total: 82% Not Met Total: 18%  Analysis  PI1: The % students receiving 80% or more was 86%, so the target was met. PI2: The % students receiving 80% or more was 75%, so the target was met. PI3: The % students receiving 80% or more was 85%, so the target was met.	

### **General Outcome Actions**

# ACTIONS

## **Revise Curriculum**

Not Started

The instructor plans to continue modernizing the course and also discusses CUDA programming next time.

Recommended Due Date: 08/15/2025

## Conclusion

The target is that 70% of the students achieve 80% or more for each PI of this SO. This target was met for all PIs. However, the course instructor proposed more revise for the course to further improve it.

## SO2 MET

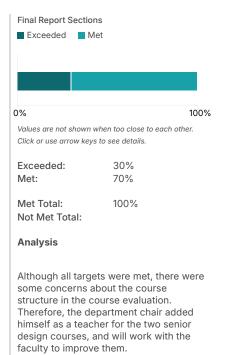
an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

	MET	Other - [Course structure]
MEASURES	RESULTS	ACTIONS

## BS in Electrical Engineering - BS-ELEN

Senior Project Design II: ELEN 4307 Direct Assess for Description.pdf

Direct - Portfolio



## Not Started

Although all targets were met, there were some concerns about the course structure in the course evaluation. Therefore, the department chair added himself as a teacher for the two senior design courses, and will work with the faculty to improve them.

Recommended Due Date: 08/15/2025

#### **General Outcome Actions**

#### **ACTIONS**

## Other - [Revise the course structure.]

Not Started

Although all targets were met, there were some concerns about the course structure in the course evaluation. Therefore, the department chair added himself as a teacher for the two senior design courses, and will work with the faculty to improve them.

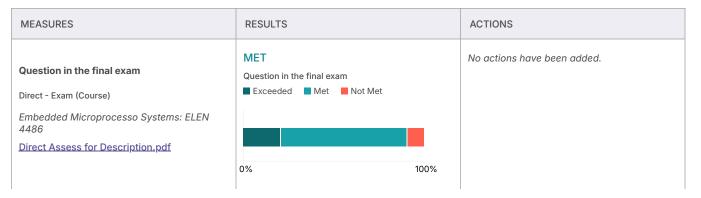
Recommended Due Date: 08/18/2025

## Conclusion

Although all targets were met, there were some concerns about the course structure in the course evaluation. Therefore, the department chair added himself as a teacher for the two senior design courses, and will work with the faculty to improve them.

## SO6 MET

an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.



# **BS in Electrical Engineering - BS-ELEN**

Exceeded: Met: Not Met:	21% 70% 9%
Met Total: Not Met Total: Analysis	91% 9%
more was 100%, s PI2: The % studen	ts receiving 80% or to the target was met. Its receiving 80% or so the target was met.

## Conclusion

The target is that 70% of the students achieve 80% or more for each PI of this SO. This target was met for all PIs. However, the course instructor proposed more revise for the course to further improve it.

## SO7 MET

an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

MEASURES	RESULTS	ACTIONS
Final Report Section  Direct - Portfolio  Senior Project Design II: ELEN 4307  Direct Assess for Description.pdf	MET Final Report Section ■ Exceeded ■ Met	No actions have been added.
	0% 100%  Values are not shown when too close to each other.  Click or use arrow keys to see details.  Exceeded: 30%  Met: 70%  Met Total: 100%  Not Met Total:  Analysis  100% of the students achieved 80% or more in the 2 Pls, so the 70% target is met. However, students showed concerns about the course structure, therefore, the department chair decide to be added as instructor for the two senior design course to work with the faculty to improve them.	

#### Conclusion

100% of the students achieved 80% or more in the 2 Pls, so the 70% target is met. However, students showed concerns about the course structure, therefore, the department chair decide to be added as instructor for the two senior design course to work with the faculty to improve them.