


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) <i>Embedded Microprocesso Systems: ELEN 4486</i> Target 70% of the students will get 80% or more. Direct Assess for Description.pdf	MET Exam Question ■ Exceeded ■ Met ■ Not Met  0% 100% Exceeded: 12% Met: 70% Not Met: 18% Met Total: 82% Not Met Total: 18% Analysis <i>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.</i>	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.

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.

MEASURES	RESULTS	ACTIONS
Final Report Sections	MET	Other - [Course structure]

<p>Direct - Portfolio</p> <p>Senior Project Design II: ELEN 4307</p> <p>Direct Assess for Description.pdf</p>	<p>Final Report Sections</p> <div> <div>Exceeded</div> <div>Met</div> </div> <p>0% 100%</p> <p><i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i></p> <p>Exceeded: 30% Met: 70%</p> <p>Met Total: 100% Not Met Total:</p> <p>Analysis</p> <p>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.</p>	<p>Not Started</p> <p>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.</p> <p>Recommended Due Date: 08/15/2025</p>
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General Outcome Actions

ACTIONS
<p>Other - [Revise the course structure.]</p> <p>Not Started</p> <p>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.</p> <p>Recommended Due Date: 08/18/2025</p>

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.

MEASURES	RESULTS	ACTIONS
<p>Question in the final exam</p> <p>Direct - Exam (Course)</p> <p>Embedded Microprocesso Systems: ELEN 4486</p> <p>Direct Assess for Description.pdf</p>	<p>MET</p> <p>Question in the final exam</p> <div> <div>Exceeded</div> <div>Met</div> <div>Not Met</div> </div> <p>0% 100%</p>	<p>No actions have been added.</p>

	<div>Exceeded:21%</div> <div>Met:70%</div> <div>Not Met:9%</div> <div>Met Total:91%</div> <div>Not Met Total:9%</div> <div>Analysis</div> <div>PI1: The % students receiving 80% or more was 100%, so the target was met.</div> <div>PI2: The % students receiving 80% or more was 81.75%, so the target was met.</div>	
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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
<div>Final Report Section</div> <div>Direct - Portfolio</div> <div>Senior Project Design II: ELEN 4307</div> <div>Direct Assess for Description.pdf</div>	<div>MET</div> <div>Final Report Section</div> <div><div>ExceededMet</div><div><div></div></div></div> <div>0%100%</div> <div>Values are not shown when too close to each other.</div> <div>Click or use arrow keys to see details.</div> <div>Exceeded:30%</div> <div>Met:70%</div> <div>Met Total:100%</div> <div>Not Met Total:</div> <div>Analysis</div> <div>100% of the students achieved 80% or more in the 2 PIs, 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.</div>	<div>No actions have been added.</div>

Conclusion

100% of the students achieved 80% or more in the 2 PIs, 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.