

Assessment, Improvement, Measurement (AIM) Report: 09/25/2014**Plan Year:** 2013-2014**Unit:** Engineering and Electronics Technology**Coordinator(s):** Kevin Jensen, Karman Wheeler**Reviewer:** Kevin Dunn

Objective or Outcome	Measure(s)					
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps	Assess Month
SLO 1 - Students will demonstrate the design, construction, and troubleshooting of simple circuits using combinatorial and sequential logic. Calculating, designing, drawing, simulating, and creating a design portfolio of a BCD to 7-segment decoder circuit in the Digital course, will complete student demonstration.	Project - The project will be graded on a 100-point evaluation instrument based on how well the circuit is designed, drawn as a schematic, built as a simulated circuit, and described in a written portfolio. This goal will be met when 90% of students score a 80 or higher on the BCD to 7-segment decoder circuit rubric.	90% of students will score a 80% or higher on the project.	100% of students scored 80% or higher on the project.	Met	This is the 3rd year we have looked at this goal. Students have scored well over the last few years with overall scores increasing from an average 85% to near 98% this year. We will no longer be looking at this outcome as a measure.	May
Students will demonstrate an understanding of transistor operations in Solid State Circuits (Task 21).	NOCTI scores for task 21.	This goal will be met when the score for task 21 has increased 10%. The current score of 36.0 should increase to 39.6 to be MET.	NOCTI score for task #21 is currently at an average of 48.9%. This is well over our goal of 39.6%.	Met	Current NOCTI score for task 21 is well over our goal of 39.6%. We will be rolling this objective over into the next cycle to monitor continued improvement. Our goal next year is to increase another 10% from this years goal. Additional troubleshooting exercises and scenarios will be given to the student to increase students' understanding of transistor operations in solid circuits.	May

<p>Students will be able to correctly utilize a reference manual in the area of Digital Theory. (Task 39)</p>	<p>NOCTI score on task 39</p>	<p>This goal will be met when the score for task 39 has increased 10%. The current score of 33.3 should increase to 36.6 to be MET.</p>	<p>The current NOCTI task 39 average score is 55.6%.</p>	<p>Met</p>	<p>Current NOCTI score for task 21 is well over our goal of 36.6%. We will be rolling this objective over into the next cycle to monitor continued improvement. Our goal next year is to increase another 10% from this years goal. Increased emphasis will be placed on situations requiring application of digital theory reference manual in simulated situations.</p>	<p>May</p>
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