



A L A M O  
C O L L E G E S

PALO ALTO COLLEGE

**Program Student Learning Assessment Plan/Report**  
**Academic Year 2011-12**

**Program/Award: Industrial Automation Helper**

**Program Lead Faculty: Leo Diaz**

**Department Chair:**

Outcome #1	Identify fluid power symbols; demonstrate knowledge of basic fluid power theory; demonstrate knowledge of component operation; generate basic fluid power circuits; and demonstrate fluid power circuits using electrical and manual controls.
Measures	The final exam in ELMT 1305 Basic Fluid Power Course
Targets	70% of the students will get a D or better on the ELMT 1305 Basic Fluid Power final exam.
Findings	Spring 2008: 6 students took the exam and 6 students passed for 100% pass rate. Spring 2009: 8 students took the exam and 7 students passed for 87.5% pass rate. Fall 2009: 4 students took the exam and 4 students passed for 100% pass rate. <b>Fall 2011 ELMT 1305 Did not make due low enrollment.</b>
Assessment of Previous Cycle's Action Plan	Create a test blue print for the final Offer the course on a rotating semester basis for larger class sizes and better interaction among the students. Increase hands-on activity.
New Action Plans	<b>Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I-Best.</b>
Outcome #2	Construct and analyze DC and AC circuits from simple to complex; perform test measurements; and utilize a multimeter and oscilloscope to differentiate between two AC signals with respect to voltage, current, and power.
Measures	The final exam in the CETT 1409 DC-AC Circuits Course.
Targets	70% of the students will get a C or better on the DC-AC Circuits final
Findings	Fall 2009: 9 students took the exam and 7 students passed for 77.7% pass rate. Spring 2010: 3 students took the exam and 3 students passed for 100% pass rate. <b>Fall 2011 ELMT Did not make due low enrollment.</b>
Assessment of Previous Cycle's Action Plan	Develop a test blue print for the final Increase hands-on activity. Reduced the amount of work so that students can focus on the quality of the assignment. Explore additional avenues for enhancing course.
New Action Plans	<b>Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I-Best.</b>
Outcome #3	
Measures	



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Targets	
Findings	
Assessment of Previous Cycle's Action Plan	
New Action Plans	
Outcome #4	
Measures	
Targets	
Findings	
Assessment of Previous Cycle's Action Plan	
New Action Plans	
Outcome #5	
Measures	
Targets	
Findings	
Assessment of Previous Cycle's Action Plan	
New Action Plans	