



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 Associate

Program Lead Faculty: Leo Diaz

Department Chair: Dean Shelman

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. Fall 2011 Did not make due low enrollment.
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	Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I'Best.
Outcome #2	Maintain and repair power transmission systems involving gear, V-belt, and chain drives; describe positive displacement and centrifugal pumping systems and compressors; and identify symptoms, causes, and cures for mechanical problems. Demonstrate maintenance, repair, and overhaul procedures on common process pumps and compressors; and apply industrial safety standards.
Measures	The final exam in IEIR 1343 Industrial Equipment Maintenance Course not offered in Fall11
Targets	70% of the students will get a C or better on the IEIR 1343 Industrial Equipment Maintenance final
Findings	Spring 2010: 5 students took the exam and 5 students passed for 100% pass rate.
Assessment of Previous Cycle's Action Plan	Create a test blue print for the final Monitor student pre-requisites. Offer tutoring. Reduced the amount of work so that students can focus on the quality of the assignment.
New Action Plans	Offer inFall12, Increase advertisements, present to students through I'Best.
Outcome #3	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.



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Targets	70% of the students will get a C or better on the 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. Fall 2011 Did not make due low enrollment.
Assessment of Previous Cycle's Action Plan	Create a test blue print for the final Increase hands-on activity. Explore additional avenues for enhancing course. Reduced the amount of work so that students can focus on the quality of the assignment.
New Action Plans	Offer in Spring2012, Increase advertisements, present to students through l'Best.
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	