



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

Program/Award: Industrial Automation Helper
Academic Year Assessed: 2012-2013
Program Lead Faculty: Sharon Carson, Director
Department Chair: Dean Shelman

| | |
|--|--|
| Program Learning 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. |
| Courses in the degree plan that address this outcome | ELMT 1305 |
| Assessment Method | The final exam in ELMT 1305 Basic Fluid Power Course |
| Targets for Achievement | 70% of the students will get a D or better on the ELMT 1305 Basic Fluid Power final exam. |
| Results | 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 ELMT 1305 Did not make due low enrollment. 2012-13: Course did not make |
| Target Met or Not Met | NO |
| New action plan for improvement of student learning | Award set for revision due to lack of interest. |
| Evaluation of previous cycle's action plans | Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I-Best. |
| Program Learning 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. |
| Courses in the degree plan that address this outcome | CETT 1409 |
| Assessment Method | The final exam in the CETT 1409 DC-AC Circuits Course. |



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

| | |
|---|---|
| | |
| Targets for Achievement | 70% of the students will get a C or better on the DC-AC Circuits final |
| Results | 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 ELMT Did not make due low enrollment. 2012-13: Course not offered |
| Target Met or Not Met | NO |
| New action plan for improvement of student learning | Award set for revision. |
| Evaluation of previous cycle's action plans | Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I-Best. |