



ALAMO
COLLEGES

PALO ALTO COLLEGE

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

Program/Award: Industrial Automation Career Foundations

Program Lead Faculty: Leo Diaz

Department Chair: Dean Shelman

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| 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. Course did not make Fall11 due to 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 | Operate test equipment; identify various sources of electricity in alternating (AC) circuits; analyze AC circuits using applicable mathematical formulas; and troubleshoot various AC circuits using schematic diagrams. |
| Measures | The final exam in the CETT 1305 AC Circuits Course. |
| Targets | 70% of the students will achieve a C or better on the CETT 1305 AC Circuits final. |
| Findings | Spring 2008: 9 students took the exam and 8 students passed for 88.8% pass rate Spring 2009: 8 students took the exam and 7 students passed for 87.5% pass rate Course did not make Fall11 due to low enrollment. |
| Assessment of Previous Cycle's Action Plan | Course was removed and replaced with a combination DC-AC Circuits course (CETT-1409) for better integration of concepts. |
| New Action Plans | Offer in Spring2012, Increase advertisements, present to students through I'Best. Currently 3 open enrollment and 3 I'Best. |
| Outcome #3 | |
| Measures | |
| Targets | |



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| 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 | |