ALAMO COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

Program/Award: **Turf and Landscape Irrigation Certificate**
Academic Year Assessed: **2012-2013**
Program Lead Faculty: **Kirk Williams**
Department Chair: **Dean Shelman**

Program Learning Outcome #1	Apply the basic principles of plant function and development emphasizing Horticultural applications.
Courses in the degree	HALT 1301
Assessment Method	Plant Structure and Function Lab Practical
Targets for Achievement	70% of assessed students satisfactorily apply the basic principles on the lab practical in HALT 1301
Results	HALT 1301 - Fall 2012 – 14 of 16 students satisfactorily completed the lab practical on plant structure and function = 88% success rate.
Target Met or Not Met	Met
New action plan for improvement of student learning	Continue to monitor assessment instruments and make changes as needed.
Evaluation of previous cycle's action plans	Capture digital images, process them and use LMS to administer a practice test. Not completed but students are successfully completing this lab practical.
Program Learning Outcome #2	Perform industry standard horticultural maintenance practices such as fertilizing, pruning, mulch application, mowing and irrigation of South Central Texas landscapes and turf areas.
Courses in the degree plan that address this	HALT 2318 and HALT 2301
Assessment Method	HALT 2318 – Fertilizer Calculations Lab Final HALT 2301 – Lab Exercise - Natural Target Pruning
Targets for Achievement	70% of assessed students satisfactorily apply the basic principles in selected exercises

Program Assessment Report

Results	HALT 2318 – Spring 2013 -7 of 12 students successfully completed final exam fertilizer calculations for a successful completion rate of 58% HALT 2301 – Fall 2012 - 15 of 15 students successfully marked Natural Target Pruning Cuts on a limb proposed to be removed from a tree = 100% Success Rate.
Target Met or Not Met	Not Met
New action plan for improvement of student learning	Utilize LMS for practice quizzes for fertilizer calculation questions in HALT 2318.
Evaluation of previous cycle's action plans	HALT 2318 – Utilize LMS to develop pre-test questions to address the mathematics issues found with students. Not completed. HALT 2301 – Deploy competency scoring guide for pruning and mulching. Completed