



ALAMO
COLLEGES

PALO ALTO COLLEGE

Program Assessment Report

Program/Award: Turf Grass and Golf Course Management 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 plan that address this outcome	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
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 outcome	HALT 2318 and HALT 2301
Assessment Method	HALT 2318 – Fertilizer Calculations Lab Final HALT 2301 – Informal Observations of Student Performance
Targets for Achievement	70% of assessed students satisfactorily apply the basic principles in selected exercises
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.



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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
Program Learning Outcome #3	Use and maintain equipment common to turf management.
Courses in the degree plan that address this outcome	HALT 2312
Assessment Method	Equipment Maintenance Schedule Lab Exercise
Targets for Achievement	70% of assessed students satisfactorily develop an equipment maintenance plan.
Results	Fall 2012 - 4 of 5 students satisfactorily developed an equipment maintenance plan = 80% success rate.
Target Met or Not Met	Met
New action plan for improvement of student learning	Develop a rubric for grading the plan.
Evaluation of previous cycle's action plans	Continue to monitor assessment instruments and make changes as needed. Assignment is appropriate but does need a grading rubric.