



ALAMO  
COLLEGES

PALO ALTO COLLEGE

### AAS Turfgrass & Golf Course Management

Career and Technical Education Degrees and Certificates

#1	AAS Turfgrass & Golf Course Management Student Learning Outcome Apply the basic principles of plant function and development emphasizing Horticultural applications.
	Courses in the degree plan that address this outcome HALT 1401/AGRI 1415
	Assessment Measure for this Outcome Plant Structure and Function Lab Practical
	Achievement Target for this Measure 70% of assessed students satisfactorily apply the basic principles on the lab practical.
	Findings Fall 2010 (Evening Lab Only) – 11 of 13 student s satisfactorily completed the plant structure and function lab practical = 85% success rate.
	Related Action Plans Develop scoring guide to better measure outcome.
#2	AAS Turfgrass & Golf Course Management Student Learning Outcome 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, HALT 2301, HALT 1324, HALT 1333, HALT 1401/AGRI 1415
	Assessment Measure for this Outcome HALT 2318 – Fertilizer Calculations Lab Final HALT 2301 – Informal Observations of Student Performance
	Achievement Target for this Measure 70% of assessed students satisfactorily apply the basic principles in selected exercises
	Findings HALT 2318 – Fall 2009 – 6 of 7 students satisfactorily completed the fertilizer calculations lab final HALT 2301 – None can be assessed
	Related Action Plans HALT 2318 – Develop scoring guide to better measure outcome HALT 2301 - Develop competency scoring guide for pruning and mulching operations



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#3	AAS Turfgrass & Golf Course Management Student Learning Outcome Use and maintain equipment common to turf management.
	Courses in the degree plan that address this outcome HALT 2312
	Assessment Measure for this Outcome Equipment Maintenance Schedule Lab Exercise
	Achievement Target for this Measure. 70% of assessed students satisfactorily develop a maintenance plan.
	Findings Spring 2008 – 4 of 4 students successfully completed a maintenance plan = 100% Success Rate.
	Related Action Plans Develop a scoring guide for the lab exercise
#4	AAS Turfgrass & Golf Course Management Student Learning Outcome  Manage common turfgrass biotic and abiotic problems.
	Courses in the degree plan that address this outcome HALT 2318, HALT 2323, HALT 1346
	Courses in the degree plan that address this outcome HALT 2323, HALT 2318
	Assessment Measure for this Outcome Responses on Test Questions in HALT 2318 and HALT 2323.
	Achievement Target for this Measure 70% of assessed students satisfactorily answer selected questions
	Findings HALT 2318 – Fall 2009 – Responses to 5 questions were assessed on the final exam. 3 of 7 students satisfactorily answered the questions = 42% success rate HALT 2323 – Summer 2010 – Responses to 7 questions were assessed on the final exam. 7 of 8 students satisfactorily answered these questions = 88% Success Rate
	Related Action Plans Incorporate additional audio visual resources to ensure that students can satisfactorily complete the outcome.