



ALAMO
COLLEGES

PALO ALTO COLLEGE

Landscape and Horticulture Science Level I AAS Certificate

Career and Technical Education Degrees and Certificates

#1	Landscape and Horticulture Science Level I AAS Certificate 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
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	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	Landscape and Horticulture Science Level I AAS Certificate 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



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	HALT 2301 - Develop competency scoring guide for pruning and mulching operations
#3	Landscape and Horticulture Science Level I AAS Certificate Student Learning Outcome Identify, use and care for a wide variety of plants in the landscape and greenhouse, emphasizing the importance of plant selection, planting practices and proper cultural activities.
	Courses in the degree plan that address this outcome HALT 1303, HALT 1331
	Assessment Measure for this Outcome HALT 1303 Written Lab Seed to Finish Project Report HALT 1331 Written Summary Report on Woody Plant Species
	Achievement Target for this Measure 70% of assessed students satisfactorily complete written assignments.
	Findings HALT 1303-Spring 2010-11 of 15 students satisfactorily completed the written lab project report = 73% success rate HALT 1331-Fall 2010-13 of 14 students satisfactorily completed the written assignment = 93% Success rate
	Related Action Plans Create rubric to assess each report
#4	Landscape and Horticulture Science Level I AAS Certificate Student Learning Outcome Identify and manage common horticultural biotic and abiotic problems.
	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.