

Program Assessment Report

Program/Award: Landscape and Horticultural Science Certificate

Academic Year Assessed: 2012-2013
Program Lead Faculty: Kirk Williams
Department Chair: Dean Shelman

Department Chair:	Dean Sheiman
Program Learning	Apply the basic principles of plant function and development emphasizing
Outcome #1	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
Darulta	HALT 1301
Results	HALT 1301 - Fall 2012 – 14 of 16 students satisfactorily completed the lab practical on plant structure and function = 88% success rate.
	and function = 00% success rate.
Target Met or Not Met	Met
New action plan for	Capture digital images, process them and use LMS to administer a pre-test.
improvement of student	
learning	
Evaluation of previous	Students are successfully completing this lab practical.
cycle's action plans	
Program Learning	Perform industry standard horticultural maintenance practices such as fertilizing, pruning, mulch application,
Outcome #2	mowing and irrigation of South Central Texas landscapes and turf areas.
Courses in the degree	HALT 2318 and HALT 2301
plan that address this	
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
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



Program Assessment Report

Not completed due to lack of time. HALT 2301 – Deploy competency scoring guide for pruning and mulching. Completed. Program Learning Outcome #3 Courses in the degree plan that address this Assessment Method HALT 1303, HALT 1331 Fragets for Achievement Results HALT 1303 - Spring 2013 - 11 of 12 students satisfactorily completed the written lab Seed to Finish project report = 92% success rate. HALT 1331- Fall 2012 - 12 of 14 students satisfactorily completed the written summary report on a Woody Plant Species = 86% success rate. Target Met or Not Met New action plan for improvement of student learning Evaluation of previous cycle's action plans Program Learning Not completed due to lack of time. HALT 1301 – Deploy competency scoring guide for pruning and mulching. Completed. HALT 1331, Hall 1331 HALT 1331 HALT 1331 HALT 1331 HALT 1331 HALT 1331 Written Summary Report on woody Plant Species = 86% success rate. HALT 1331- Fall 2012 - 12 of 14 students satisfactorily completed the written summary report on a Woody Plant Species = 86% success rate. Target Met or Not Met New action plan for improvement of student learning Evaluation of previous Create rubric to assess each report. Completed. Utilize rubric to assess each report. Completed. Program Learning Identify and manage common horticultural biotic and abiotic problems.		
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Program Learning Identify and manage common horticultural biotic and abiotic problems.	Evaluation of previous	Create rubric to assess each report. Completed.
	cycle's action plans	Utilize rubric to assess each report Completed.
	Program Learning	Identify and manage common horticultural biotic and abiotic problems.
Outcome #4	Outcome #4	
Courses in the degree HALT 2318 and HALT 2323	Courses in the degree	HALT 2318 and HALT 2323
plan that address this	plan that address this	
outcome	outcome	
Assessment Method Responses on Test Questions in HALT 2318 and HALT 2323.	Assessment Method	Responses on Test Questions in HALT 2318 and HALT 2323.
Targets for Achievement 70% of assessed students satisfactorily answer selected questions	Targets for Achievement	70% of assessed students satisfactorily answer selected questions



Program Assessment Report

Results	HALT 2318 – Spring 2013 – Responses to 5 questions were assessed on the final exam. 2 of 12 students satisfactorily answered the questions = 17% success rate HALT 2323 – Spring 2013 –Responses to 5 questions were assessed on the final exam. 10 of 12 students satisfactorily answered these questions = 83% Success Rate.
Target Met or Not Met	Not Met
New action plan for	Continue to assess the use the LMS to incorporate a pre-test to reinforce the nutritional deficiency identification.
improvement of student	
learning	
Evaluation of previous	Use the LMS to incorporate a pre-test to reinforce the subject matter. Was completed however the material will
cycle's action plans	continue to be reinforced in a variety of ways.