BASIC PROGRAM INFORMATION

Program Review is about documenting the discussions and plans you have for improving student success in your program and sharing that information with the college community. It is also about linking your plans to decisions about resource allocations. With that in mind, please answer the following questions.

Program/Department Name: Environmental Horticulture and Design

Division Name: Biology and Health Sciences

Please list all team members who participated in this Program Review:

Name	Department	Position
David Sauter	Environmental Hort and Design	Program Director/Faculty
Dan Svenson	Environmental Hort and Design	Faculty
Mike Diefenbach	Env. Hort and Design (70%)	Facilities Coordinator

Number of Full Time Faculty: 2 **Number of Part Time Faculty:** 8

Please list all existing Classified positions: *Example: Administrative Assistant I*

1-Facility Coordinator (70% Horticulture, 30% Vet Tech)

SECTION 1: PROGRAM REFLECTION

1A. Program Update: Based on the program review data, please tell us how your program did last year. We are particularly interested in your proudest moments or achievements related to student success and outcomes.

NEED HELP WITH FORMATTING BOX

An assessment of the success of the Environmental Horticulture and Design program points to many positive and one obvious negative result. All indicators of student success, both targeted and non-targeted groups and through SLO reviews show that Horticulture students performed very well in coursework. (success rate of 85% for targeted and 91% for non-targeted).The number of graduates was consistent with previous years (the number is small, typically around 15 grads, but with over half of our students already posses a bachelors degree or higher attaining a Certificate or AAS degree is seldom their goal). Many activities were undertaken and successfully completed, including development of the permaculture garden, development of a CLL (Campus as a Learning Lab, a joint venture with SJSU and DeAnza) focused on the compost area, design of a veterans memorial on campus, institution of new courses in the curriculum that have generated new enrollment for 2016-17, planting and improvements within the Horticulture facility, and expansion of placement particularly within the urban gardening and sustainability areas.

In addition, most program objectives from previous years have been completed or are nearing completion. Completed objectives include the improvement of the curriculum and initiation of new courses, purchase of equipment, implementation of retention strategies, development of facilities. Objectives still in progress include retention strategies, updating software, establishing a vineyard, and obtaining a copier for lower campus.

Analysis of data show that enrollment in Horticulture fell during the past year (down 23% in course enrollments from previous school year, down almost 8% over the 4 year trend) and a decrease in both WSCH and Productivity (WSCH down 25% over last year, down 13% over the 4 year trend; Productivity down 19% over last year and up 0.4% over a 4 year trend). These decreases follow a somewhat stable 3 previous years in all of the review data. A portion of this decline can be attributed to a robust economy in the field. Students who were taking courses opted to enter the workforce, while prospective students who were planning to take courses either did not enroll or reduced their course load in order to maintain employment is the field (this is supported by Director conversations and not documented data). A second contributing factor was the reduction of the number of course offerings made during the school year (sections declined 12% over the previous year). If the additional 5 to 8 sections that were normally offered the

student total would have been on par with the previous year. It is also partially attributed to the lack of opportunities to promote the program to audiences that create enrollment, namely garden clubs, professional associations and industry.

When digging deeper into course by course statistics, another possible factor for decreased enrollment is a decline in the bellweather courses of Hort 10 (Environmental Hort, a GE class), Hort 15 (Orientation) and Hort 45 (CADD) courses. The drop in Hort 10, which is typically our largest class, is most likely due to the unpredictability of non-major enrollment. As a GE class this course competes with several sciences for enrollment and is subject large fluctuations in numbers. Enrollments have been as high as 65 within the past five years, and were only 49 the past two years. The other two courses indicate a general drop in new starts (Hort 15, 79 enrollees in 2013-14 and only 43 in 2015-16) and reenrollment by graduates (Hort 45, which often draws graduates back to learn a new skill, 2 sections with a total of 40 in 2011-12 to 1 section with 14 in 2015-16).

This drop in enrollment indicates a lack of students seeking Horticulture courses and the drop in sections was due to full-time faculty choosing not to accept overload assignments (and difficulty finding adjunct available to teach classes the program had hoped to offer. When possible, adjunct were found to make up for this drop in overload assignments (part time percentage increased 132% from the previous year). This shortage of teachers resulted in the decline in the number of sections being offered throughout the program, having an impact on the total enrollment. An effort to find more qualified adjuncts, as well as requesting additional faculty staffing is ongoing. It is anticipated that the enrollment trend will improve over time. During the 2016-17 school year the number of sections offered has risen to 47, and enrollment in the fall of 2016 had all but one class full or overloaded.

A review of enrollments in other key required courses, such as Hort 21 (Tree identification), Hort 22 (Shrub identifications), and Hort 30 (Soils) indicated steady numbers (ranging from a drop of 3% to and increase of 16%). This suggests that once a student has chosen the program they are continuing in the program and enrolling in courses.

On the positive side, success rates for Horticulture remain very high, particularly in the underserved student areas. A snapshot of the Horticulture enrollment includes

44% of Horticulture enrollment from non-white categories. Latino/a students made up 26% of the enrollments, with Asian students at 12%. Female students constituted 60% of the enrollments, and 47% already had a Bachelor degree or higher. 51% of the students were over 40 years of age with 46% falling between 20 and 39 years of age. This diversity points to a well balanced and well qualified student population, with a large portion well prepared for the college experience. From this demographic, success rates were exceptional. Success for targeted groups (in 230 enrollments) was 86% (nearly the same as the previous 3 years) while the overall college success rate was 73%. This rate was achieved without any pre-screening of entrants into Horticulture courses. Success rates for non-targeted groups (in 634 enrollments) was 91% (or almost identical to the previous 3 years) while the overall college rate was 83%. Whether viewed by targeted group (Latino/a success rate of 86%), gender (female 93%, male 86%) or age (19 under @77%, 20-24 @87%, 25-39 @89%, 40+ @92%) the success rates for Horticulture rate above the college norm.

At the course and program levels, success is also a norm for Horticulture students. In program review over 90% of the students achieved the prescribed success level for program outcomes, and in the course level outcomes the rates were 90% or higher in all outcomes. This sampling of course outcomes show that students are exceeding expectations in course competencies.

While success rates are considered one of our proudest achievements, the ability to provide a curriculum and learning experience that is current with the field and optimum at serving our students is paramount. Horticulture has continually evolved the curriculum based on input from students and industry to keep course topics. The past two years have been particularly active, with new courses in insect, weed and disease identification added, along with expansion of the sketchup course to a full 3 unit course. Viticulture short courses were reinstituted and have drawn an audience beyond our current student population. Courses that will be implemented this year are cost estimating for construction and spanish for the green industry. Each of these offerings were the result of addressing needs in the industry. The curriculum itself has been modified, with older courses being moved to electives, and the elective grouping reorganized to allow students more flexibility in choosing a career track. Throughout all of the changes, the emphasis on sustainability has been increased. This enhancement to courses and curriculum brings the most important topic of our industry into focus

in our work.

One area in which the rate of success can not be determined is the placement of students and the quality of jobs in which they are placed. This indetermination is due primarily to the lack of any standard means of collecting data for the many areas in which our students enter employment. In particular, the difficult challenge of collecting data for a large number of students who enter the workforce as self-employed entrepenuers is extremely challenging to identify. Data collection needs to improve to determine if students are accomplishing one of their defined goals for entering the program: to gain successful employment. This requires establishing a method for obtaining data pertinent to self-employment as well as collecting data from the fields of arboriculture, landscape design, landscape maintenance, fine gardening, nursery and greenhouse management, plant production, golf course and park management, retail garden sales, wholesale landscape product sales, pesticide applicator and other related employment areas.

1B. Program Improvement: What areas or activities are you working on this year to improve your program? Please respond to any feedback from the supervising administrator from last year's program review.

Efforts will continue this year to grow the number of students that enroll in courses. Our efforts have been focused primarily on engaging with the industry in an attempt to have them send employees to Foothill to obtain training in the topics they address at work. With the start of this effort during the past year we have seen a growth in the Latino/a population that is a backbone of the green industry workforce, to the point where Latino/a registrations now make up one quarter of our enrollments. Through our continued involvement in organizations such as the California Landscape Contractors Association, The Association of Professional Landscape Designers, The California Nursery and Landscape Association and similar trade associations we spread our reputation as an institution that can assume the training responsibilities for employees that are entering the field. Whether the position is construction, design, maintenance or plant production the employers who are part of these groups recognize Foothill Hort as a place where they can recommend employees and trainees to gain a good start on their career. In arrangements with some employers, employees have been granted time off to enroll in one or more of our courses.

In addition to developing even stronger ties with industry, Horticulture will continue it's many outreach activities that attract students not in the industry. These activities include offering an educational booth at the San Francisco Flower and Garden Show, offering several seminars during the year for the public and homeowners related to water use and low maintenance gardening and engaging in club and community service activities. The Hort Club offered 6 seminars last year that were attended by numerous students and industry members, and the Club co-sponsored large seminars in Vectorworks CADD, Native Plant Design and understading MWELO (California's new Model Water Efficient Landscape Ordinance). These seminars were attended by over 200 registrants from the public and industry. Foothill also is engaged in supporting Horticultural organizations through volunteer work including Gamble Gardens, Hakone Gardens, Filoli, Western Hort Society, Guadalupe Park System, Villa Montalvo, Hidden Villa, NORCAL show and a variety of non-profit gardens in the area. Students from our program spend hours assisting these organizations, with their presence constantly promoting the quality of our program and encouraging individuals to try one or more of our course offerings.

Efforts are underway to improve data collection regarding potential jobs and placement after completing coursework. Unlike other programs, placement is not based on the completion of a degree and obtaining a certification to work in the field, but is wide ranging in where a person may work and what qualifications are required. Data will also be compiled on students who are currently in the workforce and are taking classes to improve skills or obtain workplace advancement.

Work on improving the curriculum is an ongoing process. The majority of the major changes are now being implemented, but new courses and curriculum tracks are always under consideration. If the new courses are successful, continued growth in sustainable courses are under review, including offerings in sustainable gardening, fruits and vegetables, viticulture, alternative crops and fine gardening. The development of new courses, particularly in the alternative crop area, will require planning for secure growing facilities that have cultural controls not typically found in the traditional cropping areas.

Development of the Horticulture facility is also an ongoing activity, as well as other spaces around campus. The permaculture garden implementation is underway as is the installation of plants for our decorative grass garden and both will continue. Students have been involved in native hill, the Rotary Veterans plaza, the veteran's garden and other spaces outside of our area. To the greatest extent possible, resources and class time available, we will stay engaged in these activities.

1C. Measures of Success: What data or information will you use to measure your success (e.g. student success rates, changes in student or program learning outcomes)?

The continued success of our students will be one of the main drivers in our planning, improvement and evaluation of the program during the coming year. Maintaining a high level of quality in the instruction and constant improvement in course content will hopefully provide even higher success rates among our students. The data has shown that we are accomplishing our academic goals, for both traditional and non-traditional audiences, however continued success requires that we not stop in our plans to upgrade course and curriculum content.

The measures that we will rely on to document our success will include enrollment trends, with a goal to increase our enrollment from the 2015-16 school year by 5%. We also have the goal of maintaining the success rates of our students in accomplishing SLO's at 90% of the students (not including drops) attaining a success level of 85% in the measures currently established in the outcomes. We also plan to increase the number of elective course offerings by 4 (disease, pest and weed series and cost estimating) to be measured by the approved curriculum sheet on file with the C3MS system. We also plan to increase our graduate levels to 25 students earning a Certificate or AAS degree as measured by the graduation statistics provided to programs.

1D. EMP Goal: The 2015-2020 Educational Master Plan (EMP) includes the following goal:
"Create a culture of equity that promotes student success, particularly for underserved students."

Based on the program review data, tell us some of the things your program will be doing this year to support this goal. You will be asked to report on any accomplishments on your next comprehensive program review.

When examining the Horticulture program data it is apparent that there are some areas where effort needs to be focused, particularly when examining the underserved population. Horticulture's greatest impact in the area of underserved students is addressing the needs of the Latino/a population. Horticulture has continually performed above the college averages in success of underserved students. particularly in this group. Our program boasts a high enrollment of Latino/a students and the number is growing. It is anticipated that our efforts to boost this enrollment even higher will be successful considering our strengthening relationship with an industry who is a primary employer of Latino/a s. Another positive factor in our growth in this area is the success of enrollees, who than communicate their success to others considering continuing their education.

With this growing number efforts need to focus on the support provided Latino/a students. Data show that the group with the highest rate of non-success within courses is this same group, with up to 10% of those students failing during 2015-16. This number has been gradually increasing as the enrollment increases. This issue suggests that more time and resources should be dedicated to the counseling, tutoring and mentoring of Latino/a students to help them succeed. Often they have work conflicts, communication problems and/or testing difficulties that lead to withdrawal or failure. To correct this more time is necessary from faculty and support staff to ensure the student comprehends what needs to be done to succeed. More time needs to be made available to Latino/a students in the form of counseling, tutoring and general support in the culture of the academic world. Each of these items require more time and staffing, which should be the focus of resource distribution.

Enrollments in other underserved populations has been minimal. African American students made up only 2 of the enrollments in 2015-16 and no data was available regarding low-income students. Despite the lack of data on these populations, efforts to provide support have taken the form of personal counseling and providing textbooks and supplies through program resources. While not included in the underserved students, the Hort program has also begun improving access to a different set of students; those who work and cannot complete the program by taking day courses. Hort has begun offering some of the courses, traditionally taught only during the daytime, during evening slots to provide access to our night student cohort. This effort will be documented by the appearance of traditional daytime courses during evening time slots.

SECTION 2: PROGRAM OBJECTIVES & RESOURCE REQUESTS

2A. New Program Objectives: Please list any new objectives (do not list your resource requests).

Program Objective	Implementation Timeline	Progress Measures
Example: Offer 2 New Courses to Meet Demand	*Winter 2016 Term*	*Course Enrollment*

1. Provide additional assistance in teaching to reduce reliance on adjunct and expand the program. Additional faculty member will allow new sections and new courses to be taught and will provide more counseling services to students.	Fall 2017 or Fall 2018	Hire of additional faculty
2. Update computer software in CADD lab, faculty offices and study areas. This is necessary to maintain currency with the field. Current software is now 2 upgrades behind the standard.	Fall 2017, ongoing	Software update. Continued high success rate in SLO assessments.
3. Improve the Horticulture greenhouse facilities to accommodate new classes. Anticipation of new plant growing courses that will require secure growing facilities with alternative cultural controls.	Fall 2018, ongoing	Installation of new greenhouse. Addition of new courses in alternative crops.
4. Creation of data collection methods for workplace analysis and tracking of completers and non-completers.	Fall 2016-Winter 2017	Collection of data that currently is not available.
5. Expand the facility areas dedicated to plant material instruction.	Winter 2017 through Spring 2020	New Plantings
6. Establish a vineyard	Fall 2016 through Fall 2019	Installation of a vineyard.
7.Increase academic support to Latino/a students (this is partially accomplished by objective 1)	Winter 2017, ongoing	Request for hispanic counselor and tutor for program. Reduction of non-success rate in students.

2B. Resource Requests: Using the table below, summarize your program's unfunded resource requests. Refer to the Operations Planning Committee (OPC) website for current guiding principles, rubrics and resource allocation information.

Resource Request	**$**	**Program Objective (Section 2A)**	**Type of Resource Request**			
			Full-Time Faculty/Staff Position	**One-Time B-Budget Augmentation**	**Ongoing B-Budget Augmentation**	**Facilities and Equipment**

1. New full-time faculty member	90000	1
2. Software updates	10000	2
3. Greenhoue structure	40000	3
4. Data collection	unknown	4
5. Facility plantings	10000	5
6. Vineyard	5000	6
7. Student support (see #1)	unknown	7

2C. Unbudgeted Reassigned Time: Please list and provide rationale for requested reassign time.

Requesting 50% release time for Horticulture Program Director.
This request is based on the amount of time that is required to complete the activities necessary to support the program, time which is often uncompensated and completed in addition to teaching a full load. For Horticulture the activities include mangagement of all curricular items (new courses, Title V updates), scheduling over 45 sections per year, coordinating classrooms and facilities with Vet Tech and Respiratory Therapy), counseling approximately 75 to 80 students per year, promoting scholarship applications, recruiting and coordinating 8 adjunct faculty, recruiting new students, assisting students with placement and coordinating all intern and employment requests from industry, managing all financial activities (including budgets, grant requests, contractor agreements, monthly audits, purchase orders, planning), maintaining classroom facilities (insuring software is updated, hardware works, supplies are ordered), managing the maintenance of growing facilities (including a greenhouse and nursery, with ordering supplies, cleaning, repair), managing other Horticulture facilities and equipment (including a construction lab, potting shed, storage yard, permaculture garden, compost demonstration area, succulent greenhouse, 2 vehicles, 2 tractors, over 20 pieces of power equipment along with hand tools and construction supplies), preparing plant crops for sale (over 500 plants per year), conducting annual plant sale, supervision of one classified employee (70% time), coordination of class activities with Hort Club, and liason with public (including addressing requests for guest speaking, club requests and individual landscape requests).

SECTION 3: LEARNING OUTCOMES ASSESSMENT SUMMARY

3A. Attach 2015-2016 Course-Level Outcomes: Four Column Report for CL-SLO Assessment from TracDat. Please contact the Office of Instruction to assist you with this step if needed.

3B. Attach 2015-2016 Program-Level Outcomes: Four Column Report for PL-SLO Assessment from TracDat. Please contact the Office of Instruction to assist you with this step if needed.

SECTION 4: FEEDBACK AND FOLLOW-UP

This section is for the Dean/Supervising Administrator to provide feedback.

4A. Strengths and successes of the program as evidenced by the data and analysis:

The horticulture program is unique among the programs in our division. Environmental Horticulture is not a cohort based model. Students can enter and exit the program quarter by quarter. Therefor enrollment is heavily dependent on the local economy. As the economy improves, students tend to start working. Also, the students are a mixture of "second career" older adult students and the traditional younger student and many are not be focused on obtaining a specific certificate or degree.
Despite these factors that complicate enrollment management, the program exhibits a high success rate among targeted and non-targeted populations.
Furthermore, the program is unique in its incredible support of the Foothill Campus in terms of developing learning spaces and improving the general aesthetics and appearance of the campus.

4B. Areas of concern, if any:

Enrollment is a concern especially since one reason is likely linked to the lack of qualified adjunct faculty to teach certain sections. This resulted in fewer sections being offered and certainly contribute to the lower enrollment last year

4C. Recommendations for improvement:

Efforts to recruit qualified and enthusiastic adjunct faculty should be a priority. The program director will work with the dean to develop strategies through marketing to increase the part time faculty pool

4D. Recommended Next Steps:

XProceed as Planned on Program Review Schedule
Further Review / Out-of-Cycle In-Depth Review

Upon completion of Section 4, the Program Review document should be returned to department faculty/staff for review, then submitted to the Office of Instruction and Institutional Research for public posting. Please refer to the Program Review timeline.

Unit Course Assessment Report - Four Column

Foothill College

Department - Environmental Horticulture & Design (HORT)

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 10 - ENVIRONMENTAL HORTICULTURE & THE URBAN LANDSCAPE - SLO 2 - Global/Community Conciousness - demonstrate knowledge of the impact of urban activities on environmental systems (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** student will answer objective questions on an exam related to environmental systems in an urban area **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of the students will score an average of 75% or higher on the exam.	03/26/2014 - 89% of the students scored 75% or higher on the exam. This is a slight decrease from the previous years but still indicates performance at a very high level. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO remains adequate for this class.	03/26/2014 - Instruction will continue to evolve to address current topics. New field trips are being considered and lab activities refined.
		03/28/2013 - 91% of the students enrolled scored at a 75% level or higher on the class exam. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** more current videos and support materials **GE/IL-SLO Reflection:** The SLO for this course is still viable.	03/28/2013 - The content of the course and the materials used to support the course will continue to be updated.
		03/29/2012 - 52 students were enrolled in the class and the average score of the exam was 83.4%. 84.6% of the students enrolled scored at or above the 75% threshold goal. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** lab assistant to help monitor the large numbers of students in lab situations **GE/IL-SLO Reflection:** The students met the target for this class. The SLO is still valid and reliable and does	03/29/2012 - exam will be given earlier and expanded in order to avoid conflicts with project presentations

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		not require alteration.	
Department - Environmental Horticulture & Design (HORT) - HORT 10 - ENVIRONMENTAL HORTICULTURE & THE URBAN LANDSCAPE - SLO 1 - Scientific Process - student will describe scientific method (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will perform lab exercises employing the scientific method. **Assessment Method Type:** Case Study/Analysis **Target for Success:** 80% of students will complete lab activites with an average score of 75% or higher.	03/26/2014 - 93% of the students scored 75% or higher on the lab activities for the class. This indicates that the students understand and are using the scientific process. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO remains adequate for this course.	03/26/2014 - Lab activities will be refined for the next session of this class to better facilitate scoring of individuals apart from group activities.
		03/28/2013 - 96% of the students enrolled earned an average score of 75% or higher on lab activities for the course. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** none **GE/IL-SLO Reflection:** The SLO cor this course is still viable.	03/28/2013 - Lab activities need to be updated and new activities that measure environmental results need to be continually developed.
		03/29/2012 - 92% of the enrolled students completed the activities that required application of the scientific method with an average score of 90%. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** lab assistant to help with monitoring activities in large classes **GE/IL-SLO Reflection:** The SLO is current and an effective measure of classroom learning. No changes	03/29/2012 - lab activities will be strengthened for next years class

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		are anticipated in the SLO.	
Department - Environmental Horticulture & Design (HORT) - HORT 15 - ORIENTATION TO ENVIRONMENTAL HORTICULTURE - SLO 1 - Responsibilities - demonstrate knowledge of career opportunities in the green industry through written examinations. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will be assessed based on a multiple choice question which explores their understanding of career opportunities in the green industry. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will correctly answer the question(s) concerning career opportunities in the green industry.	01/12/2017 - 100% of students completing the course were able to demonstrate an understanding of career opportunities on a written exam. **Result:** Target Met **Year This Assessment Occurred:** 2016-2017 **Resource Request:** None	01/12/2017 - None at this time.
		06/28/2015 - 95% of students completing the class were able to correctly answer questions concerning career opportunities in the green industry **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	06/28/2015 - Nothing at this time.
		01/22/2014 - 100% of students correctly answered the questions on the final exam relating to career opportunities in the green industry. Everyone demonstrated a greatly expanded understanding of environmental horticulture **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	01/23/2014 - None needed at this time. Our hope is to expand our instructional facilities through the installation of landscape areas. 05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
		12/19/2012 - 95% of the students taking the final exam were able to successfully answer questions concerning opportunities in the green industry. **Result:** Target Met **Year This Assessment Occurred:**	12/19/2012 - In the next cycle, new questions will be developed to better assess student knowledge of green industry career opportunities.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		2012-2013	
Department - Environmental Horticulture & Design (HORT) - HORT 15 - ORIENTATION TO ENVIRONMENTAL HORTICULTURE - SLO 2 - Application of knowledge - Demonstrate knowledge of the environmental horticulture sciences, including plant terminology, on written examinations. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will be assessed using multiple choice questions which includes images of plants, features of which must be identified. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** Students taking the final exam will be able to correctly identify 80% of plant terms, plant features, and/or horticultural terminology.	06/24/2016 - 87% of students taking the final exam were able to meet the minimum threshold to demonstrate an understanding of horticultural terms and plant features. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016	06/24/2016 - None required at this time 05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 21 - PLANT MATERIALS I - SLO 1 - Knowledge - Identify trees presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field tree identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of students will obtain a score of 75% or higher on identification exams.	12/10/2015 - 91% of the students scored at 75% or higher. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** Arboretum plantings on campus. **GE/IL-SLO Reflection:** The SLO is adequate.	12/10/2015 - request funds to develop arboretum on campus
		12/15/2014 - 97.5% of the students scored 75% or higher on the identification exams. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** development of on campus arboretum **GE/IL-SLO Reflection:** This SLO remains an effective measure of student objectives.	12/15/2014 - Continue testing and teaching methods. Develop campus arboretum when funds allow.
		12/12/2013 - 95% of the students obtained a score of 75% or higher on the identification exams. **Result:**	12/12/2013 - Continue to improve plant walk locations and expand plant list.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** More plant material located on campus that matches class list. **GE/IL-SLO Reflection:** The SLO accurately reflects the course activities.	
		12/12/2012 - 95% of the students scored above 75% on the identification exams. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Plants used in class to be planted on campus **GE/IL-SLO Reflection:** The current SLO is productive and adequate.	12/12/2012 - Continue current exam methods and modify by adding aides to improve botanical name recall.
		12/14/2011 - 92% of students obtained a score of 80% or higher of identification quizzes. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** More on campus plantings to be used for field identification. **GE/IL-SLO Reflection:** SLO is reliable and valid.	12/14/2011 - Encourage planting of more diverse plant material on campus.
Department - Environmental Horticulture & Design (HORT) - HORT 21 - PLANT MATERIALS I - SLO 2 - Application of knowledge - Compare and contrast tree features and cultural need. (Created By Department - Environmental Horticulture &	**Assessment Method:** Students will complete objective exam requiring selection of trees for design situations based on required features and cultural conditions. **Assessment Method Type:**	12/10/2015 - 90% of the students obtained a score of 75% or higher **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	12/10/2015 - request funding for arboretum

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Design (HORT)) **Course-Level SLO Status:** Active	Exam - Course Test/Quiz **Target for Success:** 90% of students will obtain a score of 75% or higher of the exam.	**Resource Request:** Arboretum plantings on campus. **GE/IL-SLO Reflection:** this slo is adequate	
		12/15/2014 - 97.5% of the students scored 75% or higher on the written exam. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO is still an effective measure of student learning.	12/15/2014 - Continue use of test with slight revisions for new planting scenarios.
		12/12/2013 - 98% of the students obtained a score of 75% or higher on the exam. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** No request. **GE/IL-SLO Reflection:** The SLO still accurately reflects the purpose of the class.	12/12/2013 - Continue to improve examination methods and questions. Improve review of plants during weekly presentations.
		12/12/2012 - 96% of the students scored above 75% on written exams measuring the outcome. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** None requested. **GE/IL-SLO Reflection:** The current SLO is effective and adequate.	12/12/2012 - Continue current method of assessing students regarding this SLO.
		12/14/2011 - 90% of students obtained an average score of 95% of the exam. Averages do not include students who dropped course before end of quarter.	12/14/2011 - No major changes planned in teaching or assessment strategies.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Result: Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** Lab assistant to help with class management. **GE/IL-SLO Reflection:** SLO is reliable and valid.	
Department - Environmental Horticulture & Design (HORT) - HORT 22 - PLANT MATERIALS II - SLO 1 - Knowledge - Identify shrubs presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field shrubs identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a score of 80% or higher.	06/21/2016 - 93% of the students obtained a score of 80% or higher on identification exams. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** campus arboretum and additional instructional help **GE/IL-SLO Reflection:** This slo is still adequate for the objective.	06/21/2016 - continue to install plants used in identification classes on campus
		06/20/2016 - 91.3 % of the students achieved a score of 85% or higher on identification exams **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** school arboretum **GE/IL-SLO Reflection:** The slo remains adequate for this course	
		07/07/2014 - Over 92% of the students scored 80% or higher on the identification exams. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request.	07/07/2014 - No changes are required for this objective. More testing will be added in future classes.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		GE/IL-SLO Reflection: The SLO is adequate for this course.	
		06/27/2013 - 92.3 % of the students enrolled in the class scored 80% or higher of identification exams. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** More plant material used in the class be planted on campus. **GE/IL-SLO Reflection:** The SLO is effective and requires no change.	06/27/2013 - Plants will continue to be updated to reflect changes in the industry.
		06/22/2012 - 95% of the students obtained a score of 87% on the identification quizzes **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** none **GE/IL-SLO Reflection:** Both the goal and the assessment method are adequate measures of student learning.	06/22/2012 - This method of assessment continues to be a good tool for motivating students to learn and to measure the the outcomes of their learning.
Department - Environmental Horticulture & Design (HORT) - HORT 22 - PLANT MATERIALS II - SLO 2 - Application of knowledge - Compare and contrast shrub features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete objective exam requiring selection of shrubs for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a minimum score of 80% on the exam.	06/21/2016 - 92.3% of the students scored at 80% or higher on objective exams **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** campus arboretum and additional instructional help **GE/IL-SLO Reflection:** This slo is still adequate.	06/21/2016 - continue to upgrade plant data base with current information

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		07/07/2014 - Over 92% of the students scored 80% or higher on objective exams. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO remains adequate for this course.	07/07/2014 - No changes is assessment are planned for this class.
		06/27/2013 - 92.3% of the students enrolled in the class scored at an 80% or higher level on objective exams requiring the comparison of shrub features and cultural needs. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate and does not need updating.	06/27/2013 - No significant changes will be implemented for this SLO. Minor updating of questions and responses will be ongoing.
		06/22/2012 - 100% of the students completed the objective exams with a passing score above 80%. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** none **GE/IL-SLO Reflection:** The outcome and assessment method are still valid.	06/22/2012 - The objective measurement tool has performed well in requiring students to evaluated plant material. It will continue to be the assessment method used, along with identification exams.
Department - Environmental Horticulture & Design (HORT) - HORT 23 - PLANT MATERIALS: CALIFORNIA NATIVE PLANTS - SLO 1 - Knowledge - Identify California Native Plants presented by	**Assessment Method:** Students will complete field ground California native plants identification exam. **Assessment Method Type:** Exam - Course Test/Quiz	06/01/2015 - 94% of the students were able to identify the plants in the course. Only one student was unable to complete the course and received a failing grade.	07/12/2013 - No actions are necessary at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Target for Success:** 90% of the students will achieve a minimum score of 80% or higher on the exam.	**Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **GE/IL-SLO Reflection:** The one student who failed did not take notes, had spotty attendance, and missed the final. On reflection, I can only teach those who want to be taught.	10/16/2012 - A slide set is needed to increase goal achievement.
		07/15/2012 - 100% of the students achieved and higher than 80% score on their exams. They were able to identify Native plants by their botanical and common names. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	10/16/2012 - A slide set is needed to increase student knowledge.
Department - Environmental Horticulture & Design (HORT) - HORT 23 - PLANT MATERIALS: CALIFORNIA NATIVE PLANTS - SLO 2 - Application of knowledge - Compare and contrast California Native Plants features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete objective exam requiring selection of ground covers and vines for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a score of 80% or higher on 4 of the 5 graded assignments.	07/15/2012 - Students were able to select plants for specific situations based on required features and cultural conditions. 98% of the students met this requirement. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	10/16/2012 - Additional study should help the 2% who did not meet these goals. 10/16/2012 - The 2% should be able to meet this goal with additional study. 10/16/2012 - By spending more time in the lab with students we can achieve higher scores onthe goal.
Department - Environmental Horticulture & Design (HORT) - HORT 24 - PLANT MATERIALS: GROUND COVERS & VINES	**Assessment Method:** Students will complete field ground cover and vines identification exam.	12/12/2015 - 93% of the students achieved a score of 90% or higher on the course exams.	

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
- SLO 1 - Knowledge - Identify ground covers and vines presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students in the class will pass. Average passing score will be 75%.	**Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** A better database to offer students an computerized method of study **GE/IL-SLO Reflection:** The SLO still accurately reflects the purpose of the class.	12/12/2013 - Continue to grow more relevent plant material on campus.
		12/14/2011 - 95% of the students passed the exam, with an average passing score of 90%. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** More plant examples on campus would improve learning. Limited resources now available. **GE/IL-SLO Reflection:** SLO is still reliable and valid.	12/14/2011 - Continue to update plant list and plant locations for class.
Department - Environmental Horticulture & Design (HORT) - HORT 24 - PLANT MATERIALS: GROUND COVERS & VINES - SLO 2 - Application of knowledge - Compare and contrast ground covers and vines features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete objective exam requiring selection of ground covers and vines for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of students should achieve a passing score. The average score should be above 75%.	12/12/2015 - 94% of the students scored 85% or higher on the class activities and field trips. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** No request. **GE/IL-SLO Reflection:** The SLO is still appropriate for the class.	12/12/2013 - No additional action is necessary for this class with regards to this SLO at this time.
		12/12/2015 - 95% of the students passed this SLO, with an average score of 90%. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	12/14/2011 - Improve plant data offering to class through improved data sheets.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Resource Request: Additional gardens to display plant materaial covered in class. **GE/IL-SLO Reflection:** SLO is still reliable and valid.	
Department - Environmental Horticulture & Design (HORT) - HORT 25 - PLANT MATERIALS: BAMBOOS & PALMS - SLO 1 - Knowledge - Identify bamboos and palms presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field bamboo and palm identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will score 80% correct on exam.	12/15/2014 - 100% of the students scored 80% or higher in the identification exams **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** palm study area on campus **GE/IL-SLO Reflection:** This SLO is still effective for student learning	12/15/2014 - add palm trees to campus arboretum
		12/12/2012 - 90% of the students scored above 80% on this series of exams. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Plants related to class to be installed on campus. **GE/IL-SLO Reflection:** This SLO is effective and adquate.	12/12/2012 - Continue current method of assessing for this SLO. Add more diversity of assessment methods in future.
Department - Environmental Horticulture & Design (HORT) - HORT 25 - PLANT MATERIALS: BAMBOOS & PALMS - SLO 2 - Application of knowledge - Compare and contrast bamboos and palms features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:**	**Assessment Method:** Students will complete objective exam requiring selection of bamboos and palms for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will complete 4 of 5 class assignments with a score of 80% or	12/15/2014 - 100% of the students completed required assignments with a score of %80 or higher **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** non	12/15/2014 - work on diversifying graded activities

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Active	higher.	**GE/IL-SLO Reflection:** This SLO is still effective for student learning	
		12/12/2012 - 100% of the class completed a minimum of 4 assignments with a score of 80% or higher. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is effective and adequate.	12/12/2012 - Continue current assessment methods for this outcome.
Department - Environmental Horticulture & Design (HORT) - HORT 26 - PLANT MATERIALS: PERENNIALS & ANNUALS - SLO 1 - Knowledge - Identify perennials and annuals presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field perennial and annual identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will pass with a score of 80% or higher.	07/07/2014 - 100% of the students scored 80% or higher in the field id exam. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This GE needs to be modified to reflect new grading scheme.	07/07/2014 - Rewrite SLO.
Department - Environmental Horticulture & Design (HORT) - HORT 26 - PLANT MATERIALS: PERENNIALS & ANNUALS - SLO 2 - Application of knowledge - Compare and contrast perennials and annuals features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete objective exam requiring selection of perennials and annuals for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will complete 4 of the 5 course projects with a score of 80% or higher.	07/07/2014 - 90% of the students completed 4 of 5 course projects with a score of 80% or higher. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for the course.	07/07/2014 - No changes are anticipated for this grading method.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 26 - PLANT MATERIALS: PERENNIALS & ANNUALS - Application of knowledge - Students will be able to prepare a design or plant walk using annuals and perennials. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 07/07/2014 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 27 - FRUITS & VEGETABLES - exam - Student will be able to identify 75 different fruits and vegetables that can be grown in home gardens. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 06/30/2017 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 27 - FRUITS & VEGETABLES - practical - Student will be able to describe use of fruits and vegetables from home gardens. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 06/30/2017 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 30 - HORTICULTURAL PRACTICES: SOILS - SLO 1 - Application of Knowledge - Evaluate	**Assessment Method:** Student will perform labs assessing soil chemical and physical properties. **Assessment Method Type:**	03/26/2014 - 100% of the students obtained a minimum score of 75% or higher on their soil report. **Result:**	03/26/2014 - No major changes are anticipated for this SLO. Testing of tissue was introduced this year and may be expanded for next years

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
a soil by chemical and physical means. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	Exam - Course Test/Quiz **Target for Success:** 100% of the students will achieve a minimum score of 75% on the soil report.	Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Soil test kit supplies. Lab assistant for hands-on labs. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	labs.
		03/26/2013 - 97.1% of the students obtained a score of 75% or higher on their soil report. **Result:** Target Not Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** soil testing supplies **GE/IL-SLO Reflection:** SLO 1 target should be adjusted to reflect non-completing students rather than include all students that start course.	03/26/2013 - Adjust success target for future courses. Continue to perform testing as currently implemented. Missed target was due to one student leaving class and not completing the soil report.
		03/29/2012 - On the soil report 100% of the enrolled students scored at 75% or higher. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** additional soil testing supplies to expand testing opportunities **GE/IL-SLO Reflection:** SLO may require adjustment down from 100% to accomodate those students who drop mid course. Basis of measurement is valid.	03/29/2012 - plant tissue testing will be added next year if testing supplies are available
Department - Environmental Horticulture & Design (HORT) - HORT 30 - HORTICULTURAL PRACTICES: SOILS - SLO 2 - Knowledge - Demonstrate a	**Assessment Method:** Student will complete an objective exam evaluating knowledge of soil management techniques.	03/26/2014 - 92% of the students achieved a score of 80% or higher on the soils exam. **Result:** Target Met	03/26/2014 - No major changes are planned for this SLO.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
knowledge of terms and principles of soil chemistry, physics, and commercial management. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a score of 80% on soils exam.	**Year This Assessment Occurred:** 2013-2014 **Resource Request:** Soil test kit supplies. Lab assistant for hands-on labs. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	
		03/26/2013 - 91% of the students scored 80% or higher on the main course exam. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** educational materials to present topics **GE/IL-SLO Reflection:** This SLO is still appropriate for this course.	03/26/2013 - Continue to refine and update the materials of the course and inject more class problem solving into lab activities.
		03/29/2012 - 95% of the students achieved a score of 80% or higher on the objective exam given at the conclusion of the course. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** lab assistant to help with large numbers of students in labs **GE/IL-SLO Reflection:** SLO adequately measures the course success. No changes are anticipated.	03/29/2012 - more emphasis on review and problem solving questions will be added to exam
Department - Environmental Horticulture & Design (HORT) - HORT 31 - HORTICULTURAL PRACTICES: PLANT PROPAGATION - SLO 1 - Application of Knowledge - Demonstrate an understanding of the propagation methods used in commercial plant production. (Created By Department - Environmental Horticulture &	**Assessment Method:** Student will complete a written objective exam regarding the aspects of commercial plant propagation. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will obtain a minimum	04/08/2014 - 97% of the students completing the exam obtained a score of 75% or higher **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:**	04/08/2014 - Students will continue to be tested on propagation knowledge using an objective exam.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Design (HORT)) **Course-Level SLO Status:** Active	score of 75% on the exam.	No request. **GE/IL-SLO Reflection:** The SLO is still adequate for this course.	
		04/08/2013 - 97% of the students received a grade of 75% or higher on the exam. Only one student failed the class and this student did not take the final exam. So of the students taking the exam, 100% demonstrated an understanding of commercial plant propagation. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Extended Lath House and Nursery facilities for instructional purposes. Existing space is too small.	06/29/2013 - While virtually everyone had a successful experience in this course, perhaps more could be done to ensure everyone's success in this class. The student who did not complete the course experienced family issues and had to stop taking the class, to late to record it as a withdrawl. 04/09/2013 - Work on the retention of students. 04/09/2013 - Work on the retention of students.
Department - Environmental Horticulture & Design (HORT) - HORT 31 - HORTICULTURAL PRACTICES: PLANT PROPAGATION - SLO 2 - Knowledge - Identify basic anatomy of various different types of seeds. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will identify and describe the anatomy of seeds in lab activities. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will be able to perform necessary operations with seeds in class.	04/08/2014 - Over 90% of the students were successful in propagating plants from seed, including identification of seed and seed anatomy and actions required to grow seed in lab setting. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	04/08/2014 - The current process of propagating using various methods will be continued in future classes.
Department - Environmental Horticulture &			

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Design (HORT) - HORT 40 - LANDSCAPE DESIGN: GRAPHIC COMMUNICATION - SLO 1 - Application of Knowledge - demonstrate knowledge of the fundamentals of landscape design communication and landscape design process on class projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Completion of final landscape design project which demonstrates core graphic design capabilities. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will successfully complete a final project demonstrating competency in graphic skills.	01/12/2017 - 94% of students will successfully complete a final project demonstrating competency in graphic skills. The other 16% represent students who did not complete the course. **Result:** Target Met **Year This Assessment Occurred:** 2016-2017 **Resource Request:** None	01/12/2017 - None at this time.
		05/24/2016 - Overall, everyone who actively participated in the class successfully completed their final project and demonstrated competency in their graphic skills. One person stopped showing up after the 4th week and another could not finish their final project and plans to take the class again next fall. Overall pass rate was 85%. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** None **GE/IL-SLO Reflection:** None at this time.	05/24/2016 - None required at this time.
		01/26/2015 - 92% of students were able to successfully complete the final project. Two students failed to complete their projects (one due to a family emergency). **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	01/26/2015 - Changes were made this year to ensure student success. These changes made a difference in the overall completion rate as well as student comprehension of the subject matter. No additional changes are required at this time. 01/23/2014 - None at this time. The use of more in-class lab time focused on projects as well as the elimination of sketchbooks as a requirement helped students to stay

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
			more focused on their final projects. 12/19/2012 - Given the student success rate, no changes to the course structure are planned at this time. 12/19/2012 - No changes required at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 40 - LANDSCAPE DESIGN: GRAPHIC COMMUNICATION - SLO 2 - Application of knowledge - develop visual communication "thinking" skills through the completion of a sketchbook. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Completion of a sketchbook. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete a sketchbook containing a minimum of ten sketching assignments.	12/19/2012 - 100% of students completed the sketchbook. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** None at this time. **GE/IL-SLO Reflection:** While sketch books have value in the learning process, the use of these for the next cycle will be re-examined. It may be that another approach will be more productive and helpful to student learning. As a consequence, SLO 2 may be revised for 2013/2014.	12/19/2012 - While sketch books have value in the learning process, the use of these for the next cycle will be re-examined. It may be that another approach will be more productive and helpful to student learning. As a consequence, SLO 2 may be revised for 2013/2014. 05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 45 - LANDSCAPE DESIGN: COMPUTER APPLICATIONS - SLO 1 - Knowledge - demonstrate knowledge of landscape design software command skills through development of an appropriate landscape design project.	**Assessment Method:** Student shall complete a final landscape design project illustrated competencies in computer aided design. **Assessment Method Type:** Class/Lab Project **Target for Success:**	12/12/2013 - 100% of the students successfully completed this project. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:**	12/12/2013 - Advocate for new computers in 8401. Update lecture notes to match new releases of software.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
(Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	90% of students shall successfully complete this project.	Maintain currency of software. Upgrade or replace computers in room 8401. **GE/IL-SLO Reflection:** The SLO is still accurate for this course.	
		03/26/2013 - 100% of the students successfully completed the final project with a C or better grade. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** update software and new computers to run current version of software **GE/IL-SLO Reflection:** The SLO for this course is still viable.	03/26/2013 - Request new computers for the 8401 lab and updated software for course.
		12/12/2012 - 95% of the students successfuly completed the design project. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** Teaching assistant to help with student support, current software, upgraded computers in 8401 **GE/IL-SLO Reflection:** The SLO is effective and adequate.	12/12/2012 - No changes in assessment for this SLO. Continue to pursue funds for developing course resources.
		03/29/2012 - 100% of the students successfully completed the final landscape design project with an average score of 97%. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** updated computers and CADD software in the 8401 lab. **GE/IL-SLO Reflection:** This SLO and it's assessment method are	03/29/2012 - software set for annual upgrade

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		valid and reliable. No change is anticipated.	
		12/14/2011 - 94% of the students completed the assignments. Two students tested out or dropped prior to testing. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** Software needs to be updated. Need for lab assistant time is necessary. **GE/IL-SLO Reflection:** SLO is reliable and valid.	12/14/2011 - Will seek funds to upgrade software. Assignments will be refined to better test skills.
Department - Environmental Horticulture & Design (HORT) - HORT 45 - LANDSCAPE DESIGN: COMPUTER APPLICATIONS - SLO 2 - Application of knowledge - utilize the terminology appurtenant to computer aided design software. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** In lab, student will be able to converse with other students and instructor using appropriate CAD terminology. **Assessment Method Type:** Discussion/Participation **Target for Success:** 100% of students should be able to utilize computer terminology.	12/12/2013 - 100% of the students were able to use computer terminology. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Maintain currency of software. Upgrade or replace computers in room 8401. **GE/IL-SLO Reflection:** This SLO is appropriate for this course.	12/12/2013 - Update lecture material to match software upgrades.
		03/26/2013 - 100% of the students were competent with computer terminlology **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** New computers in 8401 lab. **GE/IL-SLO Reflection:** SLO is still viable and requires no changes.	03/26/2013 - No changes in instruction. New computers needed in 8401 lab.
		12/12/2012 - 95% of the students were able to converse using the appropriate terms. **Result:** Target Not Met	12/12/2012 - Consider a prerequisite or advisory of computer basic skills necessary for course. Continue to pursue funding for

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Year This Assessment Occurred: 2012-2013 **Resource Request:** Teaching assistant. **GE/IL-SLO Reflection:** The target for success may need to be adjusted to accomodate students with limited disabilities. The failure to meet the target was due primarily to a student with challenges in learning.	teaching assistant to help with challenged students.
		03/29/2012 - 100% of the students obtained an excellent ability to understand and converse using the terminology appropriate to the CAD software. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** updated computers and CADD software for 8401 lab **GE/IL-SLO Reflection:** This SLO is valid and reliable. No change is anticipted.	03/29/2012 - software set for annual upgrade
		12/14/2011 - 100% of students who remained in class throughout quarter were able to converse in terms and language appropriate to technology. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** Softward needs to be updated. Lab assistant required. **GE/IL-SLO Reflection:** SLO is reliable and valid.	12/14/2011 - Seek funds for software upgrade. Encourage more in-class tutoring and discussion of issues.
Department - Environmental Horticulture & Design (HORT) - HORT 52C - HORTICULTURE PRACTICES: PLANT	**Assessment Method:** Student will complete a performance evaluation of their pruning skills.	06/22/2016 - 91.3% of the students scored 85% or higher on the skill evaluation - pruning.	

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
INSTALLATION & MAINTENANCE - SLO 1 - Application of Knowledge - Demonstrate skills required for proper pruning of various species of trees and shrubs. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a minimum score of 85% on their skill evaluation.	**Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** instruction assistance, campus arboretum **GE/IL-SLO Reflection:** This slo is still adequate.	06/22/2016 - Continue to plant on campus to create opportunities for pruning.
		07/07/2014 - 91.3% of the students achieved a score of 85% or higher on their skills evaluation. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **Resource Request:** Continued support of lab assistant. **GE/IL-SLO Reflection:** This SLO is adequate for the class. **GE/IL-SLO Reflection:** This SLO is adequate for the class.	07/07/2014 - No major changes are planned for the course or the assessment methods.
		06/27/2013 - 91.3% of the students enrolled scored a minimum of 85% on the pruning skills evaluations. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continued equipment updating and pruning opportunities on campus. **GE/IL-SLO Reflection:** This SLO remains adequate for the current situation. If more students fail to attend after registration the 90% may need adjusting to reflect those who actually participate.	06/27/2013 - Continued updating of notes and assessment methods for pruning skills.
		06/22/2012 - 90% of the students achieved a minimum score of 85% on their skill evaluation.	

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Result: Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** none **GE/IL-SLO Reflection:** The slo and assessment method are adequate.	06/22/2012 - Students were able to participate in skill evaluation in several areas this year, including pruning and planting. More opportunities to install plant material would enhance their learning activities.
Department - Environmental Horticulture & Design (HORT) - HORT 52C - HORTICULTURE PRACTICES: PLANT INSTALLATION & MAINTENANCE - SLO 2 - Application of knowledge - Plant trees and shrubs. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete a performance evaluation of their planting skills. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will score a minimimum of 85% on their skills evaluation.	06/22/2016 - 100% of the students scored 85% or higher on the skill evaluation - planting. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** funds for planting arboretum plants on campus. Instructional assistance **GE/IL-SLO Reflection:** This slo is adequate.	
		07/07/2014 - 100% of the students scored 85% or higher on their skills evaluation for planting. **Result:** Target Not Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Continued support of lab assistant. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	07/07/2014 - No changes are planned for this course.
		06/27/2013 - 100% of the enrolled students scores at 85% or higher on their planting skills evaluation. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Planting opportunities on campus.	06/27/2013 - Continue to seek out opportunities to install plants on campus.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Continued help of lab assistant. **GE/IL-SLO Reflection:** This SLO is adequate for this competency and does not need updating.	
		06/22/2012 - 95% of the students scored a minimum of 85% on their planting skills. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** planting opportunities **GE/IL-SLO Reflection:** The slo and assessment area adequate.	06/22/2012 - While the chances to physically participate in plant installation, more opportunities, both on campus and off campus, would enhance the learning activity.
Department - Environmental Horticulture & Design (HORT) - HORT 52E - HORTICULTURAL PRACTICES: GREENHOUSE & NURSERY MANAGEMENT - SLO 1 - Application of Knowledge - Demonstrate skill required to maintain greenhouse and nursery facilities (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will perform graded lab activities in greenhouse and nursery facility management. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will produce a living crop by the end of the class.	12/18/2014 - 89% of the students were able to produce a living crop. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO remains effective for the class.	12/18/2014 - Expand lecture content for new format of production classes.
		12/12/2013 - 92% of the students produced a living crop by the end of the class. Results were the best in years. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** More nursery space for plant production. **GE/IL-SLO Reflection:** The SLO is still appropriate for this class.	12/12/2013 - Develop course for new production classes. 12/12/2013 - Continue development of greenhouse procedures and transition into new production courses.
		12/13/2011 - 90% of the attempted crop productions were successful. 10% crop failure was primarily due to selected propagation method	12/14/2011 - Improve propagation method selection process for future classes. Add lab assistant to

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		rather than facility management. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** Additional assistance from lab assistant would help with between class facility management. Facilities and resources adequate. **GE/IL-SLO Reflection:** SLO is appropriate for this class.	monitor plants between classes.
Department - Environmental Horticulture & Design (HORT) - HORT 52E - HORTICULTURAL PRACTICES: GREENHOUSE & NURSERY MANAGEMENT - SLO 2 - Knowledge - Identify major types of growing structures and their respective roles in commercial plant production. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete an objective exam or report in the identification and classification of growing structures. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of class can identify structures and recommend appropriate use.	12/18/2014 - 94% of the students correctly identified structures and appropriate use. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO remains effective for this course.	12/18/2014 - Continue refinement of lectures.
		12/12/2013 - 96% of the students can identify greenhouse and nursery structures and appropriate use. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Additional nursery production space. **GE/IL-SLO Reflection:** The SLO is adequate for this class.	12/12/2013 - Develop course for new production courses. 12/12/2013 - Transition the course into the new production classes.
		12/14/2011 - 100% of students who completed course successfully identified structures and use. **Result:** Target Met **Year This Assessment Occurred:**	12/14/2011 - No major changes anticipated for this class. More off-site travel to businesses using these structures can be included when the class moves to day time offering.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		2010-2011 **Resource Request:** Lab assistant to help with greenhouse management. **GE/IL-SLO Reflection:** SLO is reliable and valid.	
Department - Environmental Horticulture & Design (HORT) - HORT 52F - HORTICULTURAL PRACTICES: INTERIORSCAPING - SLO 1 - Application of Knowledge - Select suitable plants for interior environments. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will take an objective multiple choice exam selecting plants suitable for interior cultural situations. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a score of 85% on the exam.		
Department - Environmental Horticulture & Design (HORT) - HORT 52F - HORTICULTURAL PRACTICES: INTERIORSCAPING - SLO 2 - Application of knowledge - Exhibit an understanding of design principles influencing interiorscaping. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will prepare a design of an interior space using appropriate plant material. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a minimum score of 85% on their design.		
Department - Environmental Horticulture & Design (HORT) - HORT 52G - HORTICULTURAL PRACTICES: TURFGRASS MANAGEMENT - SLO 1 - Knowledge - Identify common turf grasses. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete field turf grass identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will achieve a score of 85% or higher on the exam.	12/15/2014 - All students in the course were able to consistently identify different types of turf on a grass identification exam. With the addition of the new turf types being offered because of the drought seeing these new turf types on field trips greatly improved the success of the students. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	01/11/2013 - No changes required at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Resource Request: More turf demonstration equipment.	
Department - Environmental Horticulture & Design (HORT) - HORT 52G - HORTICULTURAL PRACTICES: TURFGRASS MANAGEMENT - SLO 2 - Application of knowledge - Demonstrate methods of installing a lawn by sodding or seeding. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete a performance evaluation lab demonstrating ability to install sod and seeding a lawn. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of the students will achieve a score of 60% or higher in lab activity.	12/15/2014 - A significant number of the students in the class of the class was able to complete a performance evaluation by demonstrating the ability to install sod and to seed a lawn.Practical experience on the field trip was key in instilling this skill. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	
Department - Environmental Horticulture & Design (HORT) - HORT 52H - HORTICULTURE PRACTICES: INTEGRATED PEST MANAGEMENT - SLO 1 - Knowledge - Identify various plant diseases, insects, and weeds. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete and identification quiz of common plant diseases, insects, and weeds. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will score a minimim of 85% on a field identification exam.	07/05/2013 - While there was one student who received an incomplete in the course, this student is expected to complete the missing work and pass the course. Aside from this, 100% of the students were able to identify plant diseases, insects and weeds on a field survey exam. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Digital slides of pests and diseases.	07/05/2013 - No changes required at this time. 10/16/2012 - I wil order slide sets with the various insect, diseases, and weeds to increase knowledge.
Department - Environmental Horticulture & Design (HORT) - HORT 52H - HORTICULTURE PRACTICES: INTEGRATED PEST MANAGEMENT - SLO 2 - Application of knowledge - Demonstrate skills in developing integrated pest management plans. (Created By Department - Environmental Horticulture & Design (HORT))	**Assessment Method:** Student will write an integrated pest management plan for a horticultural facility. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will score a minimum of 85% on the plan.	07/15/2012 - 98% of the students were able to complete an Integrated Pest Management plan for a horticultural facility. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	10/16/2012 - MOre study time would increase the 2% level of knowledge. 10/16/2012 - The 2% who did not meet this goal, can meet it with additonal study

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Course-Level SLO Status: Active			
Department - Environmental Horticulture & Design (HORT) - HORT 52J - HORTICULTURAL PRACTICES: NURSERY MANAGEMENT - SLO 1 - Application of Knowledge - Demonstrate skill required to maintain nursery facilities. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 09/22/2014 **End Date:** 06/26/2015 **Course-Level SLO Status:** Active	**Assessment Method:** Student will perform graded lab activities in nursery facility management. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will demonstrate the ability to work in and manage a nursery facility.		
Department - Environmental Horticulture & Design (HORT) - HORT 52J - HORTICULTURAL PRACTICES: NURSERY MANAGEMENT - SLO 2 - Knowledge - Demonstrate knowledge of nursery lath house, hoop house, and propagation area operations. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete an objective exam or report on the design, construction, and / or management of nursery facilities such as a lath house, hoop house, or propagation area. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of the class will be able to correctly identify nursery facility structures and / or their use.		
Department - Environmental Horticulture & Design (HORT) - HORT 54A - LANDSCAPE CONSTRUCTION: GENERAL PRACTICES - SLO 1 - Knowledge - correctly identify tools used in landscape construction. (Created By Department - Environmental Horticulture & Design (HORT))	**Assessment Method:** Students are given a mid-term exam in week 6 which asks students to define and/or identify a variety of tools used in landscape construction. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:**	12/12/2015 - 98% of students were able to correctly identify tools used in landscape construction. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	12/19/2012 - Expansion of tools in lab will increase student learning and understanding of the correct use of tools in landscape construction.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Course-Level SLO Status: Active	80% of students will pass the portion of the exam related to tools.	**Resource Request:** Many of the tools are broken or outdated. They need replacements.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 54A - LANDSCAPE CONSTRUCTION: GENERAL PRACTICES - SLO 2 - Application of knowledge - demonstrate, on manipulative examinations, the implementation of basic landscape construction projects using a variety of building materials and hardware. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** 90% of students will be able to physically demonstrate the steps in building a wood deck during a field lab. **Assessment Method Type:** Class/Lab Project **Target for Success:** All students participating in this lab section will successfully complete the building of a wood deck.	01/12/2017 - All students were able to successfully complete the construction of a wood deck in a field lab. **Result:** Target Met **Year This Assessment Occurred:** 2016-2017 **Resource Request:** None	01/12/2017 - None at this time.
		12/12/2015 - 100% of the students were able to successfully complete the construction of an arbor. 100% of the students were also able to demonstrate basic skills in the pouring and working of newly installed concrete. They wore able to problem-solve the angles and complexities of installing an arbor. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** Lab supplies are needed for this class (equipment, tools, and supplies such as concrete). **GE/IL-SLO Reflection:** All students were able to meet this target.	01/26/2015 - With the success rate, no actions are necessary at this time for this SLO. 01/23/2014 - None at this time. 12/19/2012 - Need more tools and supplies for use in this course. Deck materials, hardware, screw guns, etc. are needed to conduct this part of the course. 05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 54B - LANDSCAPE CONSTRUCTION: TECHNICAL PRACTICES - SLO 1 - Application of Knowledge - demonstrate, on manipulative examinations, the correct use of surveying tools used in landscape construction projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will be evaluated in the field in their successful use and understanding of landscape survey equipment. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will demonstrate proficiency in the use of survey tools.	04/16/2014 - 100% of the students in the class were able to demonstrate proficiency in the use of landscape survey tools and equipment **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Some equipment upgrades are needed to our survey equipment.	04/16/2014 - No change is currently needed to the method of instruction. The primary action plan is to keep equipment up-to-date with industry standards. We also need to replace some equipment.
		04/25/2013 - 96% of the students in the landscape construction class were able to demonstrate proficiency in the use of survey equipment. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Some additional purchases must be made to update our survey equipment.	04/25/2013 - Secure new and updated equipment for use in the Survey Lab.
		04/14/2012 - For this quarter, 100% of the students participated in the survey lab and demonstrated the necessary skills to perform site surveys. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Current Survey Lab is an effective tool.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 54B - LANDSCAPE CONSTRUCTION: TECHNICAL PRACTICES - SLO 2 - Application of knowledge - demonstrate, on written examinations, knowledge of estimating techniques used in landscape construction.	**Assessment Method:** Multiple choice question on estimating techniques that demonstrates mastery of core concepts in landscape estimating. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:**	01/12/2017 - 95% of the students in the class successfully answered questions concerning topics centered on estimating on their final exam. **Result:** Target Met **Year This Assessment Occurred:** 2016-2017	01/12/2017 - Need for more up-to-date technical equipment for estimating lab.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
(Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	80% of students will pass sections of the test relating to estimating concepts.	**Resource Request:** None	
		05/24/2016 - 96% of students were able to successfully demonstrate their knowledge of estimating techniques and core concepts behind them on their exam as well as in an estimating lab. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** None **GE/IL-SLO Reflection:** None at this time.	05/24/2016 - None at this time.
		04/25/2013 - Only 74% of students were able to demonstrate a comprehensive knowledge of estimating concepts. One student did not finish the course and two missed the estimating altogether. I believe the remainder of the students had a good working knowledge of the concepts used in landscape estimating. **Result:** Target Not Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Additional estimating equipment and software is needed for teaching this course.	04/25/2013 - 1. Work with students who are not keeping up with the class with the goal of improving retention and successful learning experiences. 2. Update estimating equipment and software.
		04/14/2012 - 92% of the students were able to correctly answer key questions regarding landscape estimating methods on the final exam. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** None **GE/IL-SLO Reflection:** Estimating can be a difficult concept to grasp. All the students in the class	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		demonstrated a baseline understanding of estimating. However, a few were unable to show a comprehensive understanding of the subject.	
Department - Environmental Horticulture & Design (HORT) - HORT 54C - LANDSCAPE CONSTRUCTION: IRRIGATION PRACTICES - SLO 1 - Knowledge - identify the parts of an irrigation system (pipes and fittings, sprinkler heads, valves, backflow preventers, drip systems, and controllers). (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** On a multiple choice exam, student will be able to correctly identify 80% of common irrigation components. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of students will meet the benchmark requirement for the identification of irrigation components.	04/25/2013 - 94% of the students in the Irrigation Practices course were correctly able to identify 80% of common irrigation components. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** None at this time	04/25/2013 - No changes are needed at this time.
		04/14/2012 - All of the students were able to meet the benchmark requirement for the identification of irrigation components. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** None **GE/IL-SLO Reflection:** While everyone passed this part of the exam, there are still some students that could have done better than just the bench mark. Instructor will spend more time on this aspect of the class in next year's class.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 54C - LANDSCAPE CONSTRUCTION: IRRIGATION PRACTICES - SLO 2 - Application of knowledge - program an irrigation time clock (controller) correctly. (Created By Department - Environmental Horticulture & Design (HORT))	**Assessment Method:** In a controller programming lab, student will demonstrate mastery of irrigation controller programming. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students will demonstrate competency in the programming of an	05/24/2016 - 100% of the students were able to demonstrate their competency in programming an irrigation controller. Additionally, 100% of the students were able to demonstrate their knowledge of controllers and their use on a final exam. **Result:** Target Met **Year This Assessment Occurred:**	05/24/2016 - None at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Course-Level SLO Status: Active	irrigation controller.	2015-2016 **Resource Request:** None **GE/IL-SLO Reflection:** None at this time.	
		04/16/2014 - Every student in the class was able to demonstrate competency in the programming of a typical irrigation controller. Some students completed this as a "make-up" lab but 100% of the class completed this learning module. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** None	04/16/2014 - None at this time.
		04/25/2013 - The irrigation controller programming lab occurs near the end of the quarter. 94% of the students taking the course were able to complete the lab and demonstrate an understanding of controller programming. 2 people missed the lab altogether. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** None at this time	04/25/2013 - No changes are needed at this time.
		04/14/2012 - Every student who participated in the controller programming lab was able to demonstrate proficiency. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** None **GE/IL-SLO Reflection:** One person missed the lab and did not make it up. Otherwise the lab was an	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		effective learning tool.	
Department - Environmental Horticulture & Design (HORT) - HORT 54D - LANDSCAPE CONSTRUCTION: APPLIED PRACTICES - SLO 1 - Application of Knowledge - Construct specialized and advanced landscape projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will demonstrate skills by participating in construction of landscape projects in lab. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students participating in the labs will demonstrate proficiency in the construction of landscape projects.	07/07/2014 - 83% of the students demonstrated proficiency in lab construction. **Result:** Target Not Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Continued support of lab assistant. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	07/07/2014 - Failure to meet target was due to 4 non-performing students in a class of 24. Without these 4 the target would have been met. More effort will be made to prevent non-performers from maintaining enrollment in the class.
		06/24/2013 - 93% of the class demonstrated proficiency in the construction of landscape projects, with the remaining 7% being one student who did not participate in the class. All students participated in successful construction of campus projects. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** lab assistance, consumable materials (wood, concrete, etc) for projects **GE/IL-SLO Reflection:** The SLO is adequate and should remain as published.	06/24/2013 - The class will continue to plan and construct projects in the campus environment that address the basic skills necessary for landscape construction.
		06/22/2012 - 100% of the students obtained proficiency in completing landscape construction projects provided for class. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** funds for supplies and materials consumed in class **GE/IL-SLO Reflection:**	06/22/2012 - The students performed very well in the activities presented. Carpentry and paving activities were reduced due to lack of time and resources to purchase supplies for the class and the lack of on-campus projects.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		This slo and assessment method remains valid.	
Department - Environmental Horticulture & Design (HORT) - HORT 54D - LANDSCAPE CONSTRUCTION: APPLIED PRACTICES - SLO 2 - Application of knowledge - Operate motorized landscape equipment. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will demonstrate skills in a practical activity laboratory. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students participating in the labs will demonstrate proficiency in the use of motorized landscape equipment.	06/24/2016 - 93% of the students were able to gain proficiency in the use of landscape equipment. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** Continued support of lab assistant. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	06/24/2016 - None required at this time. 07/07/2014 - No significant changes will be made to this course or assessment.
		06/28/2015 - During the Bobcat & Ditchwitch motorized equipment lab, 100% of the students were able to demonstrate a basic proficiency in the operation of the equipment. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	06/28/2015 - None at this time.
		06/24/2013 - 93% of the students demonstrated proficiency in operating motorized landscape equipment, including skid-steer, motorized wheel barrow, saws and jackhammer. The remaining 7% are a result of one student not participating. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continued updating of existing equipment and supply new equipment. **GE/IL-SLO Reflection:** The SLO for this competency is adequate.	06/24/2013 - As funds permit, new equipment will be added to the range of options available for the student to learn how to operate.
		06/22/2012 - 100% of the students demonstrated proficiency in operating the motorized equipment used in the class.	06/22/2012 - An attempt will be made to continue to expand the types of equipment that the students

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Result: Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** expand the type of equipment available for teaching **GE/IL-SLO Reflection:** This slo and assessment is valid.	learn to operate. Limits to that expansion are the availability of equipment to purchase or rent and the funds to do so.
Department - Environmental Horticulture & Design (HORT) - HORT 54J - HORTICULTURAL PRACTICES: INSECT IDENTIFICATION - RECALL OF INFORMATION - Student shall be able to identify common horticultural insects. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 07/15/2015 **End Date:** 07/15/2017 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 54J - HORTICULTURAL PRACTICES: INSECT IDENTIFICATION - critical thinking - Student shall identify common control methods for selected insects. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 07/15/2015 **End Date:**	**Assessment Method:** Student shall identify control method for selected insects. **Assessment Method Type:** Observation/Critique **Target for Success:** Student shall correctly identify a minimum of one control method for 80% of the insects		

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
07/15/2017 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 54K - HORTICULTURAL PRACTICES: WEED IDENTIFICATION - RECALL OF INFORMATION - Student shall be able to identify common horticultural weeds (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 07/15/2015 **End Date:** 07/15/2017 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall take field identification exam of common horticultural weeds **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** Student shall identify 80% of the weeds.		
Department - Environmental Horticulture & Design (HORT) - HORT 54K - HORTICULTURAL PRACTICES: WEED IDENTIFICATION - critical thinking - Student shall identify common control methods for selected horticultural weeds. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 07/15/2015 **End Date:** 07/15/2017 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall describe control methods for selected horticultural weeds. **Assessment Method Type:** Observation/Critique **Target for Success:** Student shall successfully identify a minimum of one control for each selected weed.		
Department - Environmental Horticulture & Design (HORT) - HORT 55A - GREEN INDUSTRY MANAGEMENT: BUSINESS PRACTICES - SLO 1 - Responsibilities - Discuss common management problems	**Assessment Method:** Through classroom participation and open discussions, students will demonstrate an understanding of the basic business practices utilized in the green industry.	12/12/2015 - 100% of the students enrolled in the class completed classroom activities at a 74% (C letter grade) score or higher. **Result:** Target Met	03/27/2013 - Course will require continued monitoring of changing conditions in the business world.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
and potential solutions. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of the students will participate in classroom activities which demonstrate an understanding of the basic business practices utilized in the green industry and obtain an average score of 74% (C level) in those exercises.	**Year This Assessment Occurred:** 2014-2015 **Resource Request:** none **GE/IL-SLO Reflection:** SLO is adequate for this competency.	
		12/12/2015 - Students who were present in the class participated in the discussions and activities related to business practices. Attendance averaged 91% for the class throughout the quarter. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** none requested **GE/IL-SLO Reflection:** The classroom participation and the results from the discussions were tested and there was a high level of retention.	03/29/2012 - add more problem solving scenarios to next years class
		12/12/2015 - 100% of the students obtained a result of 75% or higher in classroom activities and discussions. The results are a good representation of a high level of skills for the class. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	03/28/2014 - Exercises and activities will be continually updated to reflect the changing business conditions within the green industry, particularly with the renewed emphasis on low water landscaping.
Department - Environmental Horticulture & Design (HORT) - HORT 55A - GREEN INDUSTRY MANAGEMENT: BUSINESS PRACTICES - SLO 2 - Application of knowledge - Prepare a written business or	**Assessment Method:** Successful completion of a business or strategic management plan. **Assessment Method Type:** Class/Lab Project	12/12/2015 - 100% of the enrolled students successfully completed a business plan or management plan at a 85% level or higher. **Result:**	03/27/2013 - The SLO will be updated following the completion of this assessment round. The requirement has been expanded

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
stategic management plan. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Target for Success:** 80% of students will successfully complete at a 74% (C grade) level a business plan or business related research project.	Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** none **GE/IL-SLO Reflection:** SLO requires updating to reflect current status of grading criteria.	from a business plan to a business research project.
		12/12/2015 - 100% of the students completed a business, stragegic management plan, marketing plan, employee manual or an objective exam covering the class topics. The average score was 93% for the completed assignments. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** none requested **GE/IL-SLO Reflection:** The SLO and assessment method should be adjusted to reflect the significant expansion in bidding practices.	03/29/2012 - formalize the addition of a variety of options to meet the final grading criteria for next years class
		12/12/2015 - 100% of the students achieved a grade of 85% or higher on the business plan exercise. Students who had questions regarding the exact career field they want to explore were able to bring some clarity to this question. One student still had uncertainty but was give additional direction during office hours to define a rough path. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** No request. **GE/IL-SLO Reflection:** The business plan format that was used for this session was vastly different from the	03/28/2014 - The current standard exercise of requiring a business plan needs refinement since many of the students are not prepared to enter into the business world as self -employed and some are seeking work as an employee rather than a business owner.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		former plan.	
Department - Environmental Horticulture & Design (HORT) - HORT 55B - GREEN INDUSTRY MANAGEMENT: EMPLOYEE PRACTICES - SLO 1 - Responsibilities - List activities involved in recruiting and managing employees. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 55B - GREEN INDUSTRY MANAGEMENT: EMPLOYEE PRACTICES - SLO 2 - Job tasks - Demonstrate knowledge of human resource management techniques. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 60B - LANDSCAPE DESIGN: THEORY - SLO 1 - Application of Knowledge - exhibit an understanding of the elements and principles of landscape design theory through class projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will demonstrate mastery of design principles through completion of a final project. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students will successfully complete a final project exhibiting a clear understanding of landscape design theory.	05/24/2016 - 96% of the students successfully completed their final project. Only one student was not able to complete his final project but plans to take the course again next winter. A majority of students moved on to take the next elective course (HORT 60F: Landscape Design: Process). **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** None **GE/IL-SLO Reflection:** None at this time. 04/16/2014 - All but one of my students successfully completed the final project and	05/24/2016 - None at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		demonstrated a clear understanding of the design process. A majority moved on to take the next course (HORT 60F: Landscape Design: Process). One student, who broke her right hand (her drafting hand), needed to take an Incomplete in the course and will finish by next year. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** None	04/16/2014 - While everyone demonstrated competencies on this project, I plan to continue to refine and improve the final project so that it represents the best possible learning experience for my students.
		04/25/2013 - 97% of the students successfully completed the final project. Only one student (who had been attending class regularly), did not turn in her final project. In her case, she did show progress during plan checks, but never attended the final class. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** None at this time	04/25/2013 - No changes are needed at this time.
		04/14/2012 - 97% of the students in the class successfully completed their final project with a grade of B or better. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Only one student failed to successfully complete their final project.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 60C - LANDSCAPE DESIGN: IRRIGATION - SLO 1 - Application of Knowledge - Develop an irrigation plan for a residential or small commercial irrigation	**Assessment Method:** Student will complete an irrigation design for a residential or small commercial site which demonstrates competency in all facets of irrigation design	06/24/2016 - 95% of students who submitted their irrigation design project demonstrated competency in the various facets of a residential project. **Result:**	

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
system. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students will successfully complete the final irrigation design project.	Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** None at this time.	
		08/21/2014 - 95% of the students were able to successfully complete a residential irrigation design project. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	08/21/2014 - Continue to refine the design project to ensure student success. Next year the project will likely be revised to reflect current trends in the irrigation industry.
		06/29/2013 - All but two of the students were successfully able to complete the irrigation project. This is an 86% success rate which is below our 90% goal. Overall, given the changes which were made to the course this year, the comprehension level of the material and quality of submittals was greatly improved so from this perspective it was a success. The two students not completing the project stopped participating in the design process early on and even with couching showed little to no interest in completing the project. **Result:** Target Not Met **Year This Assessment Occurred:** 2012-2013	06/29/2013 - I believe there is little that can be done to improve this course. The real issue is that from time-to-time we get students who are in need of additional counseling resources. Unfortunately, even when we try to get these students the help they need, they will not take advantage of the resources available to them at Foothill College 06/29/2012 - Some changes will be made to the final irrigation project in 2013 to give students the opportunity to get an earlier start on the project. I will also be changing the project slightly to allow students, who choose to do so, to work more independently of their group
Department - Environmental Horticulture & Design (HORT) - HORT 60C - LANDSCAPE DESIGN: IRRIGATION - SLO 2 - Application of knowledge - interpret irrigation drawings,	**Assessment Method:** Multiple choice exam question which specifically tests knowledge of one aspect of irrigation plan reading.	06/28/2015 - 95% of students who submitted their irrigation design project demonstrated competency in the various facets of a residential project. **Result:**	06/24/2016 - None required at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
details, and specifications. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of students will pass the section of the exam relating to irrigation plan reading.	Target Met **Year This Assessment Occurred:** 2015-2016	06/28/2015 - None at this time.
		06/29/2012 - Even though two students did not finish the final project, all students took and passed the exam sections covering irrigation plan reading. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	06/29/2013 - No changes required at this time. 06/29/2012 - No changes are needed at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 60D - LANDSCAPE DESIGN: PLANTING - SLO 1 - Application of Knowledge - Demonstrate, through assigned projects, knowledge of planting design as it relates to the aesthetic, cultural, ecological, and functional use of plants in the landscape. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall complete a series of short projects which illustrate knowledge of aesthetic, cultural, ecological, and functional uses of plants in the landscape. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students shall successfully complete the short projects.	06/29/2013 - 100% of students completed the series of short projects. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	06/29/2013 - No actions required at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 60D - LANDSCAPE DESIGN: PLANTING - SLO 2 - Application of knowledge - demonstrate proficiency in creating planting plans for residential landscape projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall complete a final project which illustrates their knowledge of planting design principles. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students shall successfully complete the final planting design project.	06/28/2015 - With the exception of one student who stopped showing up for class and did not submit his final project, 100% of the remaining students successfully demonstrated proficiency in creating a planting plan for a residential project. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	06/28/2015 - None at this time.
		06/29/2013 - 97% of the students successfully completed their final projects and were able to clearly demonstrate their knowledge of planting design principles. The student who did not complete her project made substantial progress	06/29/2013 - No actions necessary at the current time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		but failed to turn in the project by the extended deadline. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	
Department - Environmental Horticulture & Design (HORT) - HORT 60F - LANDSCAPE DESIGN: PROCESS - SLO 1 - Application of Knowledge - exhibit an understanding of the principles of landscape design process through one or more residential design projects. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall complete a final residential landscape design project which demonstrates competency in landscape design process. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students shall successfully complete the final residential landscape design project.	06/24/2016 - 96% of the students who submitted work were able to successfully complete a residential landscape design project for a real client. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016	06/24/2016 - None required at this time. 08/21/2014 - The residential design project is a good model for this class. Every time the class is offered, there is a new project with new clients. This works quite well for both the students and the client.
		06/29/2012 - 85% of the students in this class were successfully able to complete a residential landscape design project. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	06/29/2012 - This class requires a higher level of dedication than other classes in the program. The success rate for students completing the course was actually 100% becuase two students dropped out of the class by the drop date. No changes are needed at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 60F - LANDSCAPE DESIGN: PROCESS - SLO 2 - Application of knowledge - prepare a project timeline and budget. (Created By Department - Environmental Horticulture & Design (HORT))	**Assessment Method:** Student shall prepare a project timeline for the successful completion of a residential landscape design project. **Assessment Method Type:** Class/Lab Project **Target for Success:**	06/29/2012 - 100% of the students were able to demonstrate the ability to prepare a project timeline and budget. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	06/29/2012 - Everyone in the class demonstrated proficiency in completing the design project within the timeline and met the client's budget criteria.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Course-Level SLO Status: Active	90% of students completing the course will demonstrate competency in preparing a project timeline and budget.		
Department - Environmental Horticulture & Design (HORT) - HORT 60G - LANDSCAPE DESIGN: INTERMEDIATE COMPUTER APPLICATIONS - SLO 1 - Knowledge - Export drawings to printers and external files. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will create pdf of files and send them to external device. **Assessment Method Type:** Class/Lab Project **Target for Success:** 100% of students will be able to successfully complete pdf export.	06/21/2016 - 100% of the students were able to successfully create pdf files and export. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** update computer software, fix printers **GE/IL-SLO Reflection:** This slo is adequate	06/21/2016 - repair printers for computer labs
		06/24/2013 - 100% of the students completing the class were able to produce and export pdf examples of their work. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continued updating of software. New computers for 8401 with more powerful processors. **GE/IL-SLO Reflection:** The SLO for this competency is adequate.	06/24/2013 - An adjustment in the assignments will be planned for next year to allow more emphasis on the 3 dimensional portion of the program.
		06/26/2012 - 100% of the students were able to submit their projects via pdf and print hard copy of their work. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** updated software and additional demonstration software such as autocadd and/or dynascape	06/26/2012 - Lectures and course contect were reconstructed for this class. Continued rewriting of course with more emphasis on 3D drawing will be undertaken before next offering.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		GE/IL-SLO Reflection: The slo and assessment are valid for this class.	
Department - Environmental Horticulture & Design (HORT) - HORT 60G - LANDSCAPE DESIGN: INTERMEDIATE COMPUTER APPLICATIONS - SLO 2 - Application of knowledge - Produce three-dimensional renderings of designs. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will produce a three-dimensional drawing of a site. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students will be able to complete a 3d drawing.	06/21/2016 - 100% of the students were successful in creating a 3d drawing with vectorworks **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** update computer software, fix printers **GE/IL-SLO Reflection:** This slo is adequate	
		06/24/2013 - 100% of the students were able to complete a 3d drawing of their project using both vectorworks and sketchup. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continued updating of software. New computers in 8401 with more powerful processors. **GE/IL-SLO Reflection:** The SLO for this competency is adequate.	06/24/2013 - The project array and the lecture material will be updated this year to provide more emphasis on the vectorworks 3d portion of the program, while the sketchup material will be moved to a dedicated sketchup class.
		06/26/2012 - 100% of the students were able to produce a 3D drawing using vectorworks and sketchup. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** updated software **GE/IL-SLO Reflection:** The slo and assessment method are valid	06/26/2012 - Continued updating of 3D lectures and projects will occur before next offering of the course.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		for this class.	
Department - Environmental Horticulture & Design (HORT) - HORT 60J - SKETCHUP FOR LANDSCAPE DESIGNERS - Prepare landscape drawings. - Student will be able to prepare three dimensional landscape drawings using the sketchup program. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 12/07/2012 **End Date:** 01/31/2013 **Course-Level SLO Status:** Active	**Assessment Method:** Student will use a supplied basemap to prepare a three dimensional drawing showing landscape features. **Assessment Method Type:** Presentation/Performance **Target for Success:** 80% of the students will be able to successfully create the drawing.	07/07/2014 - 96% of the students were able to create a drawing using the program. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Expansion of the class to 3 units and current software and dedicated lab. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	07/07/2014 - This version of the course worked much better that the previous course due to proper lab and software. Expansion to 3 unit course is in the works.
		03/26/2014 - 80% of the students were able to successfully create drawings from supplied instructions. Time required to complete the exercise and deliver supporting lecture was inadequate. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** More lecture and lab time, change course from 1 unit to 3 units. Lab with current software and support. **GE/IL-SLO Reflection:** The SLO is adequate currently, but will be refined to provide more direct measurement after the next offering of this class.	03/26/2014 - The class was a disaster, being placed in a foreign room, lacking the software, and no support from IT. The class only ran for 4 sessions and it took 2 of those to get the software running properly. A revision of the course has been submitted through the C3MS to upgrade the time of the class.
Department - Environmental Horticulture & Design (HORT) - HORT 60J - SKETCHUP FOR LANDSCAPE DESIGNERS - Render sketchup drawings. - Student will be able to render a prepared drawing using the textures, colors and attributes available in the sketchup program. (Created By Department - Environmental Horticulture &	**Assessment Method:** Student will render a supplied drawing using a minimum of 5 different attributes available in the sketchup program. **Assessment Method Type:** Presentation/Performance **Target for Success:**	07/07/2014 - 100% of the students were able to properly render the drawing. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:**	07/07/2014 - Change to a 3 unit course is in the works.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 12/07/2012 **End Date:** 01/31/2013 **Course-Level SLO Status:** Active	80% of the students will be able to properly render the drawing using the minimum number of attributes.	Expansion of the class to 3 units. **GE/IL-SLO Reflection:** This SLO is adequate for this course. 03/26/2014 - This target was not met. Many students had the time to render drawings using a portion of the tools available but inadequate time was left to assist those having difficulty. I can only estimate but I would expect that 50% of the students met this criteria. This was compounded by software and classroom technology issues. **Result:** Target Not Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Expansion of the class to 3 units and current software and dedicated lab. **GE/IL-SLO Reflection:** The SLO is adequate.	03/26/2014 - A request has been sent through the C3MS system to expand the time and units for the class. 1 unit has proved woefully inadequate to present the information, let alone help the large number of students enrolled.
Department - Environmental Horticulture & Design (HORT) - HORT 60K - THE TIMELESS GARDEN - SLO 1 - Knowledge - Identify and compare categories of historic gardens. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Course-Level SLO Status:** Active	**Assessment Method:** Complete a project or report focusing on one or more categories of historical gardens. Projects should demonstrate an understanding of garden architecture, cultural contexts, and landscape design themes. **Assessment Method Type:** Class/Lab Project **Target for Success:** 85% of students will successfully complete a project or report.		
Department - Environmental Horticulture & Design (HORT) - HORT 60K - THE TIMELESS GARDEN - SLO 2 - Knowledge - Demonstrate knowledge of plant usage in historical contexts. (Created By Department - Environmental Horticulture & Design	**Assessment Method:** Identify different types of plant usage through time and in different garden contexts. **Assessment Method Type:** Exam - Course Test/Quiz		

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
(HORT)) **Assessment Cycles:** End of Academic Year **Course-Level SLO Status:** Active	**Target for Success:** On an exam, 80% of students will be able to correctly identify different types of plant usage through time and in different garden contexts.		
Department - Environmental Horticulture & Design (HORT) - HORT 80 - ENVIRONMENTAL HORTICULTURE SKILLS - SLO 1 - Job responsibilities - Develop horticultural work skills under the guidance of a horticultural unit supervisor for an average of two hours per week. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall meet the minimum required hours for on-site instruction in environmental horticulture skills. **Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of students shall complete required on-site instruction.	12/12/2013 - 90% of the students completed at least the minimum on-site hours. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	12/12/2013 - Continue to develop the hort facilities.
		12/13/2012 - 98% of the students met the minimum supervised hours required for the course. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continued participation by lab assistant in support of class activities. **GE/IL-SLO Reflection:** This SLO remains effective and relavant.	12/13/2012 - No major changes in course structure are required for this SLO. Continue working with available facility projects.
		01/15/2012 - 85% of the students completed the on-site instructional component of the class. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	06/26/2012 - Students were very successful in completing on-campus activities and off-campus opportunities. Students exceeded on-site instruction component hours by almost 200 %. 05/15/2012 - Given the student success rate, no changes to the

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
			course structure are planned at this time. However, we hope to increase our success rate through more student/instructor interaction during the next year.
Department - Environmental Horticulture & Design (HORT) - HORT 80 - ENVIRONMENTAL HORTICULTURE SKILLS - SLO 2 - Job tasks - Explore industry associations and industry contacts for employment opportunities. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall demonstrate involvement in industry associations and/or industry contacts through student membership or through seminars held by the horticulture program or an outside industry group. **Assessment Method Type:** Discussion/Participation **Target for Success:** Through completion of the course contract, 80% of students completing the class will demonstrate involvement in professional associations, horticultural seminars, or green industry related activities.	12/12/2013 - 90% of the students engaged in an activity related to a seminar, association event or green industry activity. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	12/12/2013 - Continue development of horticulture facilities.
		12/13/2012 - 100% of the students either working in the industry, participated in volunteer activities within the industry, or attended seminars presented by the industry. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Continue availability of lab assistant. **GE/IL-SLO Reflection:** This SLO remains effective and relevant.	12/13/2012 - Increase the number of in-class presentations by industry and continue to grow the volunteer opportunities within industry.
		01/15/2012 - 85% of students completed the course contract. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	06/26/2012 - A new compost area was constructed by students to demonstrate composting methods. Students interacted with club activities and CLCA to develop ties with industry associations.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
			05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 80A - ENVIRONMENTAL HORTICULTURE FALL SKILLS - SLO 1 - Job Responsibilities - Develop Fall horticultural work skills under the guidance of a horticultural unit supervisor for an average of four hours per week. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall participate in on-site instruction for Fall environmental horticulture skills. **Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of students shall complete required on-site instruction as demonstrated in Practical Skills Labs and Events.	12/10/2015 - 90% of the students completed on site demonstration of skills **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Horticultural equipment, vehicles and tools **GE/IL-SLO Reflection:** this slo is adequate	12/10/2015 - submit request for funding for equipment. continue to upgrade facility
		12/15/2014 - 90% of the students completed on-site instruction in the lab activities. Students not completing were absent or engaged in off-site instructional activities approved by the instructor **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO remains effective for student learning	12/15/2014 - continue facility development
		01/29/2014 - 90% of the students completed at least the minimum on-site hours. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:**	01/29/2014 - Continue development of Hort facilities.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		This SLO is adequate for this course.	
Department - Environmental Horticulture & Design (HORT) - HORT 80A - ENVIRONMENTAL HORTICULTURE FALL SKILLS - SLO 2 – Job Tasks - During the Fall season, explore industry association and industry contacts for employment opportunities. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall demonstrate Fall season involvement in industry associations and/or industry contacts through student membership or through seminars held by the horticulture program or an outside industry group. **Assessment Method Type:** Discussion/Participation **Target for Success:** Through completion of the course contract, 80% of students completing the class will demonstrate involvement in professional associations, horticultural seminars, or green industry related activities.	12/10/2015 - over 80% of the students participated in events held by professional associations and the hort club **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** none **GE/IL-SLO Reflection:** this slo is adequate	
		12/15/2014 - 100% of the students participated in industry associations and/or seminars held by the industry for the students. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO remains effective for student learning	12/15/2014 - continue development of facilities 12/15/2014 - diversify the programs, develop facilities
		01/29/2014 - 90% of the students engaged in an activity related to a seminar, association event or green industry activity. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	01/29/2014 - Continue development of Hort facilities.
Department - Environmental Horticulture &			

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Design (HORT) - HORT 80B - ENVIRONMENTAL HORTICULTURE WINTER SKILLS - SLO 1 - Job Responsibilities - Develop Winter horticultural work skills under the guidance of a horticultural unit supervisor for an average of four hours per week. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall participate in on-site instruction for Winter environmental horticulture skills. **Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of students shall complete required on-site instruction as demonstrated in Practical Skills Labs and Events.		
Department - Environmental Horticulture & Design (HORT) - HORT 80B - ENVIRONMENTAL HORTICULTURE WINTER SKILLS - SLO 2 – Job Tasks - During the Winter season, explore industry association and industry contacts for employment opportunities. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall demonstrate Winter season involvement in industry associations and/or industry contacts through student membership or through seminars held by the horticulture program or an outside industry group. **Assessment Method Type:** Discussion/Participation **Target for Success:** Through completion of the course contract, 80% of students completing the class will demonstrate involvement in professional associations, horticultural seminars, or green industry related activities.		
Department - Environmental Horticulture & Design (HORT) - HORT 80C - ENVIRONMENTAL HORTICULTURE SPRING SKILLS - SLO 1 - Job Responsibilities - Develop Spring horticultural work skills under the guidance of a horticultural unit supervisor for an average	**Assessment Method:** Student shall participate in on-site instruction for Spring environmental horticulture skills. **Assessment Method Type:** Discussion/Participation **Target for Success:**	06/21/2016 - 95% of the students participated in and completed on-site instruction. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016	

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
of four hours per week. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	80% of students shall complete required on-site instruction as demonstrated in Practical Skills Labs and Events.	**Resource Request:** upgrade nursery and garden facilities, add new equipment **GE/IL-SLO Reflection:** This slo is adequate	
Department - Environmental Horticulture & Design (HORT) - HORT 80C - ENVIRONMENTAL HORTICULTURE SPRING SKILLS - SLO 2 – Job Tasks - During the Spring season, explore industry association and industry contacts for employment opportunities. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall demonstrate Spring season involvement in industry associations and/or industry contacts through student membership or through seminars held by the horticulture program or an outside industry group. **Assessment Method Type:** Discussion/Participation **Target for Success:** Through completion of the course contract, 80% of students completing the class will demonstrate involvement in professional associations, horticultural seminars, or green industry related activities.	06/21/2016 - 85% of the students demonstrated involvement in associations, seminars and activities **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** Create more opportunities for students **GE/IL-SLO Reflection:** This slo remains adequate for this objective	
Department - Environmental Horticulture & Design (HORT) - HORT 80D - ENVIRONMENTAL HORTICULTURE SUMMER SKILLS - SLO 1 - Job Responsibilities - Develop Summer horticultural work skills under the guidance of a horticultural unit supervisor for an average of four hours per week. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:**	**Assessment Method:** Student shall participate in on-site instruction for Summer environmental horticulture skills. **Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of students shall complete required on-site instruction as demonstrated in Practical Skills Labs and Events.		

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 80D - ENVIRONMENTAL HORTICULTURE SUMMER SKILLS - SLO 2 – Job Tasks - During the Summer season, explore industry association and industry contacts for employment opportunities. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Quarter **Start Date:** 09/23/2013 **End Date:** 06/27/2014 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall demonstrate Summer season involvement in industry associations and/or industry contacts through student membership or through seminars held by the horticulture program or an outside industry group. **Assessment Method Type:** Discussion/Participation **Target for Success:** Through completion of the course contract, 80% of students completing the class will demonstrate involvement in professional associations, horticultural seminars, or green industry related activities.		
Department - Environmental Horticulture & Design (HORT) - HORT 90A - CONTAINER PLANTINGS IN THE LANDSCAPE - SLO 1 - Knowledge - Identify plantings appropriate for container plantings. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete field container plant identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of students will successfully be able to identify container plants used in class.	12/18/2014 - 30% of the students were able to identify container plants. **Result:** Target Not Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** continued materials support for course **GE/IL-SLO Reflection:** SLO should be changed to address the fact that this is not a plant id course.	12/18/2014 - SLO's will be reviewed.
		04/25/2013 - 100% of the students in the Container Plantings class were able to correctly identify container plants used in the labs. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	04/25/2013 - Find resources to secure more plant and container supplies to be utilized in the class.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Resource Request: Plant and container supplies to be used in the class.	
Department - Environmental Horticulture & Design (HORT) - HORT 90A - CONTAINER PLANTINGS IN THE LANDSCAPE - SLO 2 - Knowledge - Compare and contrast container plant features and cultural needs. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will create container planting using selected plants. **Assessment Method Type:** Class/Lab Project **Target for Success:** 90% of students completing the class shall have created a variety of container plantings.	12/18/2014 - 90% of the students created a variety of container plantings. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** continued materials support for course **GE/IL-SLO Reflection:** SLO is adequate for this course	12/18/2014 - Course will be reviewed before next offering.
		04/25/2013 - 100% of the students in the class created a variety of container plantings, including the use of perennials and succulents. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Plant and container supplies to be used in the class.	04/25/2013 - Find resources to secure more plant and container supplies to be utilized in the class.
Department - Environmental Horticulture & Design (HORT) - HORT 90C - GARDEN PONDS & WATER FEATURES - SLO 1 - Knowledge - Student will be able to install a water feature in the landscape. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Through practical skills labs, students were either successful in physically installing a garden water feature or were able to demonstrate to the instructor that they had an understanding of the installation of the water feature. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will be able to demonstrate an understanding of the key concepts used in creating garden water features.	12/19/2012 - 100% of students completing the course were able to demonstrate an understanding of the key concepts used in creating garden water features. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Pond and water feature supplies. Rock, boulders and gravel.	12/19/2012 - Supplies are needed to teach this class. These include pond and water feature supplies, rock, boulders and gravel.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90C - GARDEN PONDS & WATER FEATURES - SLO 2 - Application of Knowledge - As part of a lab, students will be able to demonstrate knowledge of the main components required to design a garden water feature. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** 80% of students will be able to correctly identify the key components utilized in the construction of garden water features. **Assessment Method Type:** Class/Lab Project	06/28/2015 - 100% of students were able to successfully complete the lab showcasing components of garden water features. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015	06/28/2015 - None at this time.
		12/19/2012 - 95% of students were able to correctly identify the key components used in the construction of garden water features. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Pond and water feature supplies. Rock, boulders and gravel.	12/19/2012 - Supplies are needed for this class. Pond and water feature supplies. Rock, boulders and gravel.
Department - Environmental Horticulture & Design (HORT) - HORT 90D - HERBS: IDENTIFICATION, USE & FOLKLORE - Knowledge - Identify common herbs used for culinary, medicinal, spiritual and decorative purposes. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field herbs identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students taking the class shall be able to correctly pass the plant identification class with a grade of 80% or better.		
Department - Environmental Horticulture & Design (HORT) - HORT 90D - HERBS: IDENTIFICATION, USE & FOLKLORE - Appreciation of other cultures - Describe the history of herbs used for cultural activities. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active			

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90E - HORTICULTURAL & LANDSCAPE PHOTOGRAPHY - SLO 1 - Knowledge - Exhibit a basic understanding of photographic equipment use. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 09/23/2013 **End Date:** 12/13/2013 **Course-Level SLO Status:** Active	**Assessment Method:** Student shall be reviewed by instructor for basic proficiency in the use of photographic equipment and deemed to have basic competencies. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will demonstrate basic proficiencies in camera use to the instructor.	10/14/2013 - 94% of students completed the Landscape Project assignment. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **GE/IL-SLO Reflection:** Critical Thinking Rubric 1. Knowledge-Students demonstrated understanding of terms, concepts and principles of how the camera sees Knowledge-Students applied theoretic concepts to varied contexts (and situations).	01/23/2014 - None at this time
		09/17/2012 - 100% of students submitted a project that reflected basic knowledge of the major controls of the camera. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Students demonstrated an understanding of the terms, concepts and principles of the camera. Students assessed and addressed potential visual problems when recording and interpreting a horticultural feature (as presented in gardens, landscape designs or classifications) by using newly learned camera skills to produce the best solution.	
		05/18/2012 - All students finishing the class were able to demonstrate basic proficiencies in camera use. This exceeded the 80% threshold. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Based on student success, no changes are necessary to the assessment method at this time.	05/18/2012 - Based on student success, no changes are necessary to the assessment method at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90E - HORTICULTURAL & LANDSCAPE PHOTOGRAPHY - SLO 2 - Application of knowledge - Photography of landscapes, construction projects, plant identification, and landscape designs for portfolio presentation. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 09/23/2013 **End Date:** 12/13/2013 **Course-Level SLO Status:** Active	**Assessment Method:** Completion of one or more student photo projects involving landscape settings or landscape installations. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete the student photo projects.	10/14/2013 - 94% of students completed the student project **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **GE/IL-SLO Reflection:** Critical Thinking 1. Knowledge-Demonstrates understanding of the assigned material	
		09/17/2012 - 100% of students completed the photo project. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Students applied the knowledge and skills of the discipline to solve potential visual interpretation problems. Previously ambiguous photographs were re-made stronger and more effective by application of awareness of color, light and shape & pattern. Horticultural scenes/locations are now seen as intentionally organized and are optimized photographically to show the best aspects of these designs.	
		05/18/2012 - All students completing the class were able to complete the student photo project. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Based on student success, no changes are necessary to the assessment method at this time.	05/18/2012 - Based on student success, no changes are necessary to the assessment method at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90F - LANDSCAPE DESIGN: BASIC PRINCIPLES - SLO 1 - Application of Knowledge - Demonstrate landscape design skills. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will prepare a landscape design. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete a design charette or landscape design project.	03/27/2013 - 88% of the enrolled students sucessfully completed a design charette or landscape design project. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO is adequate.	03/27/2013 - No changes in teaching strategies of methods are necessary for this competency.
Department - Environmental Horticulture & Design (HORT) - HORT 90F - LANDSCAPE DESIGN: BASIC PRINCIPLES - SLO 2 - Knowledge - Exhibit understanding of design theory and process. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will demonstrate design theory and process in lab exercises. **Assessment Method Type:** Class/Lab Project **Target for Success:** Through in-class labs, 80% of students will complete design exercises with an average of 74% success or higher.	03/27/2013 - 88% of the students successfully participated and completed design exercises. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** none **GE/IL-SLO Reflection:** This SLO should be updated to include definition of successful participation.	03/27/2013 - SLO will be updated following quarter.
Department - Environmental Horticulture & Design (HORT) - HORT 90G - LANDSCAPE DESIGN FORUM - SLO 1 - Knowledge - demonstrate the ability to evaluate residential landscape designs. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Based on a matrix of landscape design criteria, student shall be able to demonstrate an understanding of the methods by which landscapes can be judged. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will exhibit a basic understanding of what takes to create successful landscapes.	08/21/2014 - 96% of the students demonstrated the capability to evaluate landscape projects. Only 1 student was not able to participate in this activity. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	08/21/2014 - None at this time
		05/15/2012 - Only one student did not pass the course and did not participate in all lab activities. **Result:** Target Met **Year This Assessment Occurred:**	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		2011-2012 **GE/IL-SLO Reflection:** Given the student success rate, no changes to the course structure are planned at this time.	
Department - Environmental Horticulture & Design (HORT) - HORT 90G - LANDSCAPE DESIGN FORUM - SLO 2 - Knowledge - exhibit an understanding of advanced topics in landscape design. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Through attendance at classes involving advanced topics in landscape design, student will exhibit an understanding of current topics and practicum based knowledge. **Assessment Method Type:** Discussion/Participation **Target for Success:** 80% of students will successfully complete the course.		
Department - Environmental Horticulture & Design (HORT) - HORT 90H - LANDSCAPE LIGHTING - SLO 1 - Knowledge - demonstrate practical knowledge of lighting and electrical equipment. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Using a multiple choice test, students will demonstrate a basic knowledge of low voltage lighting. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 70% of students will receive passing grades on the exam.	07/15/2012 - 100% of the students demonstrated a basic knowledge of low voltage lighting **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	10/16/2012 - I achieved my goals but I will continue to look for more study guides.
Department - Environmental Horticulture & Design (HORT) - HORT 90H - LANDSCAPE LIGHTING - SLO 2 - Application of knowledge - compare and contrast different lighting systems. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Demonstrate the selection of appropriate lighting systems in a lab setting **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students completing the class will successfully demonstrate a working knowledge of landscape lighting systems.	04/16/2014 - 94% of the students completing the class successfully demonstrated a working knowledge of landscape lighting systems. Two students missed 2 or more of the classes and did not drop or withdraw from the course. These students received failing grades. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014	04/16/2014 - We absolutely need to create a lighting resource lab station / kit and hope to put something in place by the next time the class is offered.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Resource Request: Funding to create a landscape lighting lab station and lighting lab kit.	
		07/15/2012 - 100% of the students were able to demonstrate in a lab the selection of appropriate lighting systems **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	10/16/2012 - By installing an outdoor lab the students will be able to understand the principles of lighting. Appealing to the lighting manufacturers for materials will hasten the installation of this lab.
Department - Environmental Horticulture & Design (HORT) - HORT 90I - LANDSCAPE SUSTAINABILITY PRACTICES - SLO 1 - Application of Knowledge - Demonstrate skills in developing and maintaining landscapes according to sustainable principles. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will build and maintain landscapes using sustainable practices in labs. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will demonstrate competency in the development and maintenance of sustainable landscapes.	12/12/2015 - 98% of the students were able to understand the principles to build and manage landscapes using techniques of sustainability. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **GE/IL-SLO Reflection:** Students were able to understand the principles of sustainability.	10/16/2012 - The 2% of those students should be able to build landscapes using sustainable methods through additional study.
Department - Environmental Horticulture & Design (HORT) - HORT 90I - LANDSCAPE SUSTAINABILITY PRACTICES - SLO 2 - Application of knowledge - Define approaches to solving landscape and gardening problems by applying ecological principles. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will prepare a report on solving a landscape or gardening problem using ecologically sound principles. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete a report on solving landscape or gardening problems using ecologically sound principles.		
Department - Environmental Horticulture & Design (HORT) - HORT 90K - LANDSCAPING WITH EDIBLES - SLO 1 - Knowledge - Identify edible ornamental	**Assessment Method:** Students will complete field edible ornamental identification exam. **Assessment Method Type:**	10/09/2012 - 100% of students enrolled in the class were able to pass the field exam on the identification of ornamental edible plants.	10/09/2012 - Look at developing resources to meet the need for showcasing edible plants.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
plants for the landscape. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	Exam - Course Test/Quiz **Target for Success:** 80% of students will pass a field exam on the identification of ornamental edible plants.	**Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** Plants and arboretum development for showcasing edible plants.	10/09/2012 - Look at resources for showcasing edible plants.
Department - Environmental Horticulture & Design (HORT) - HORT 90K - LANDSCAPING WITH EDIBLES - SLO 2 - Application of knowledge - Demonstrate the use of edible plants in built landscapes. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will design a landscape using edible ornamentals. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete a landscape design using ornamental edible plants.	10/09/2012 - Students participated in discussions regarding design solutions for different types of ornamental edible landscapes. 100% of the class participated in this activity. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	
Department - Environmental Horticulture & Design (HORT) - HORT 90L - PLANT PROPAGATION: BASIC SKILLS - SLO 1 - Knowledge - Exhibit understanding of the basic techniques used in plant propagation. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete a skills lab demonstrating propagation techniques. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will demonstrate knowledge of propagation techniques.	06/29/2013 - 100% of the students completed the skills labs on propagation techniques. All demonstrated the ability to utilize these skills in plant propagation. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	06/29/2013 - No actions are required at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90L - PLANT PROPAGATION: BASIC SKILLS - SLO 2 - Application of knowledge - Demonstrate ability to utilize various propagation techniques in nursery and greenhouse environments. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will select appropriate propagation technique for various environments in a lab setting. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will be able to properly demonstrate appropriate propagation techniques.		

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90M - PLANT NUTRITION & FERTILIZATION - SLO 1 - Knowledge - Identify nutrient deficiency in plants. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete an objective exam identifying plant nutrient deficiencies. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of students will pass the part of the exam which identifies plant nutrient deficiencies.	03/26/2014 - 100% of the students who remained in the class were able to identify plant nutrient deficiencies. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	03/26/2014 - No major changes are planned for this course. More hard examples and activities related to illustrating nutrient deficiencies will be explored.
		03/29/2012 - 95% of the students passed the portion of the assessment which required identification of plant nutrition deficiencies. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** This SLO should be modified to provide a better measure than the exam. Other methods can be used to measure student success in this area.	03/29/2012 - add more hands on deficiency symptom analysis
Department - Environmental Horticulture & Design (HORT) - HORT 90M - PLANT NUTRITION & FERTILIZATION - SLO 2 - Application of knowledge - Select fertilizer for appropriate use. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will select correct fertilizer for application in a lab setting. **Assessment Method Type:** Class/Lab Project **Target for Success:** In lab evaluations, students will correctly select a fertilizer application 80% of the time.	03/26/2014 - Over 80% of the students were able to correctly select an appropriate fertilizer for given situations. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** No request. **GE/IL-SLO Reflection:** This SLO is adequate for this course.	03/26/2014 - No major changes planned in the assessment of this SLO.
		03/29/2012 - Students selected the appropriate fertilizer in 96% of the situations presented in sample problems.	03/29/2012 - add more problem solving scenarios to the short

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Result: Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** none requested **GE/IL-SLO Reflection:** SLO should be adjusted to identify problem set used to assess students.	course
Department - Environmental Horticulture & Design (HORT) - HORT 90N - PLANT MATERIALS: FALL COLOR - SLO 1 - Knowledge - identify trees by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will be able to correctly identify plants exhibiting outstanding fall color. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of students will correctly identify plants exhibiting fall color.	01/11/2013 - 96% of students were able to correctly identify the trees and shrubs which exhibit Fall color as discussed in the course. One student failed to complete the class. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	01/11/2013 - No changes are necessary at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90N - PLANT MATERIALS: FALL COLOR - SLO 2 - Application of knowledge - select plants for landscape use based on aesthetic conditions. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete an objective exam requiring selection of trees based on esthetic conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of students will correctly select fall color trees for use in landscape designs.		
Department - Environmental Horticulture & Design (HORT) - HORT 90P - PRUNING: BASIC SKILLS - SLO 1 - Knowledge - List basic terms associated with pruning. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will identify terms on an objective exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** Students will be able to correctly identify 80% of the pruning terms presented in the class.	04/25/2013 - 93% of students were able to correctly identify 80% of pruning terms. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** More developed field labs for practising	04/25/2013 - Expanded field lab space is needed for demonstrating and practicing pruning techniques.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		pruning techniques.	
		04/14/2012 - All but one student was able to correctly identify 80% or more of the pruning terms used in the class on a field test. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** None **GE/IL-SLO Reflection:** Students are demonstrating the ability to learn pruning terms and no further changes to the course are necessary at this time.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90P - PRUNING: BASIC SKILLS - SLO 2 - Application of knowledge - Describe wide variety of methods utilized in pruning plants. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will select and implement pruning methods in a practical laboratory. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will correctly select and implement pruning methods in a field lab.	04/25/2013 - All the students who finished this class were able to work with pruning tools in a field lab situation. Only two students demonstrated a lower skill level due to an absence. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Expanded field lab for demonstrating pruning methodolgy.	04/25/2013 - Expanded field lab space is needed for demonstrating and practicing pruning techniques.
		04/14/2012 - 97% of the students in the class were able to select and implement the pruning methods demonstrated in the class. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** None **GE/IL-SLO Reflection:** Students demonstrated their ability to effectively prune selected plant species.	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90Q - RESIDENTIAL IRRIGATION SYSTEMS - SLO 1 - Knowledge - demonstrate a basic understanding of irrigation equipment & materials. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student shall create a basic plan illustrating core competencies in irrigation design. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will be able to prepare a basic irrigation plan illustrating core competency in irrigation design.	01/12/2017 - 100% of the students were able to demonstrate a basic understanding of irrigation design principles. **Result:** Target Met **Year This Assessment Occurred:** 2016-2017 **Resource Request:** None	01/12/2017 - None at this time.
		07/15/2012 - 95% of the students were able to create an irrigation design. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **GE/IL-SLO Reflection:** Students were able to select irrigation components according to plan.	10/16/2012 - Additional materials from the manufacturers should help achieve high scores.
Department - Environmental Horticulture & Design (HORT) - HORT 90Q - RESIDENTIAL IRRIGATION SYSTEMS - SLO 2 - Application of knowledge - demonstrate the ability to install a residential irrigation system. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** In a field lab, student shall correctly install at least one component of a typical residential irrigation system. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will be able to correctly install at least one component of a typical residential irrigation system.	06/29/2013 - 100% of the students were able to install components of an irrigation system and to make sure they were functioning properly. Students also audited existing irrigation systems. One student never showed up for the class but also did not drop. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Irrigation equipment and supplies. **GE/IL-SLO Reflection:** Students understood how the various components inter-relate in an irrigation system	06/29/2013 - No changes are needed at this time. The goal for this class, as well as other irrigation classes, is to secure more equipment and materials for instructional purposes in irrigation installation. 10/16/2012 - Additional materials from the manufacturers should increase scores.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90R - SEASONAL FLORAL DESIGN - SLO 1 - Knowledge - master the making of seasonal arrangements such as seasonal centerpieces, fresh and dried wreath making, and evergreen swags. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 05/08/2012 **End Date:** 05/29/2012 **Course-Level SLO Status:** Active	**Assessment Method:** Successful completion of one seasonal floral design per instructor specifications. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will successfully complete a seasonal floral design.	10/11/2012 - All students completing the class were able to successfully compete the making of seasonal arrangements. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** Floral materials and containers are expensive for a class such as this and generally costs for students exceed what they can afford. Program supplies are neede to supplement this class.	10/11/2012 - No changes are necessary at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90R - SEASONAL FLORAL DESIGN - SLO 2 - Application of knowledge - create seasonal and holiday decorations. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Successful completion of a "holiday" floral or vegetative arrangement per instructor specifications. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will complete a "holiday" floral or vegetative arrangement per instructor specifications.	10/11/2012 - All of the students complete a spring season "holiday" floral arrangement per instructor specifications. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **Resource Request:** ts exceed what they can afford. Program supplies are neede to supplement this class.	10/11/2012 - No changes to the course are necessary at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90S - SUSTAINABLE INTEGRATED PEST MANAGEMENT (IMP) - SLO 1 - Knowledge - Understand the risks of pesticides. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will identify pesticide risks through a written report. **Assessment Method Type:** Essay/Journal **Target for Success:** 80% of students will identify pesticide risks through a written report.	12/12/2015 - By using principles in EIQ, all of the students were able to assess risks on a the situational use of chemicals. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Slides on pesticides	10/16/2012 - A higher level of chart is needed to provide a clear picture of the risks. 10/16/2012 - I will research the industry for more materials to achieve higher scores. 10/16/2012 - No changes are required at the present time.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		08/20/2012 - 85% of the students were able to understand the risks of pesticides. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **GE/IL-SLO Reflection:** The majority of students understood this principle.	10/16/2012 - A speaker from the industry will be called in to help clarify the risks.
Department - Environmental Horticulture & Design (HORT) - HORT 90S - SUSTAINABLE INTEGRATED PEST MANAGEMENT (IMP) - SLO 2 - Application of knowledge - Integrate pest management controls. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will write an integrated pest management plan. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will write an integrated pest management plan.	08/20/2012 - 90% of the students were able to write an integrated pest management plan. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012 **GE/IL-SLO Reflection:** Students understand this principle and were able to write a plan.	10/16/2012 - More examples from the County Ag department will be obtained to increase student understanding.
Department - Environmental Horticulture & Design (HORT) - HORT 90U - LANDSCAPE DESIGN: PERSPECTIVE SKETCHING - SLO 1 - Application of Knowledge - Select appropriate perspective technique. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Select the correct persepective technique to sketch a variety of different views of a site. **Assessment Method Type:** Case Study/Analysis **Target for Success:** Students should be able to select the appropriate method 90% of the time.	12/12/2013 - Students were able to select the appropriate perspective method 100% of the time **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** lab assistance **GE/IL-SLO Reflection:** The SLO is adequate for this course.	12/12/2013 - Seek more units for the class or smaller class sizes/lab assitance.
		12/15/2011 - Students were able to select the appropriate method 100% of the time. **Result:** Target Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:**	12/15/2011 - Methods of instruction were effective for this SLO. No changes anticipated.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		None **GE/IL-SLO Reflection:** SLO is reliable and valid	
Department - Environmental Horticulture & Design (HORT) - HORT 90U - LANDSCAPE DESIGN: PERSPECTIVE SKETCHING - SLO 2 - Application of knowledge - Render landscape elements in perspective. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Prepare one and two point perspectives from given drawings. **Assessment Method Type:** Class/Lab Project **Target for Success:** Students should be able to complete drawings with less than 5 errors in 75% of the drawings.	12/12/2013 - Students completed drawings with an average of 10 errors in 75% of the drawings. **Result:** Target Not Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** lab assistance or more time for class. **GE/IL-SLO Reflection:** This SLO is adequate for this class.	12/12/2013 - Pursue additional units for the course or assistance with instruction during lab time.
		12/15/2011 - Students were able to construct perpspective drawings with fewer than 5 errors in approximately 70% of the exercises. **Result:** Target Not Met **Year This Assessment Occurred:** 2010-2011 **Resource Request:** None **GE/IL-SLO Reflection:** SLO is reliable and valid	12/15/2011 - Additional teaching methods must be added to improve the students understanding of construction of perspectives. Most errors occured when locating vanishing points and choosing directions for lines.
Department - Environmental Horticulture & Design (HORT) - HORT 90V - SUSTAINABLE ORGANIC GARDENING - SLO 1 - Knowledge - Define principles of organic gardening. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will complete a design project that requires use of current organic gardening principles. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will successfully complete an design project that requires use of current organic gardening principles.	07/05/2013 - 100% of the students in the class were able to successfully complete a design project employing current organic gardening principles. One student received an incomplete in the class but is also expected to pass the class and was involved in the design project as well. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	07/05/2013 - An onsite organic garden could be developed to assist in the instructional elements of the lab component of the class. 06/05/2012 - No changes are needed at this time. 29 of the 30 students in the course completed their required project.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 90V - SUSTAINABLE ORGANIC GARDENING - SLO 2 - Application of knowledge - Analyze gardens to improve sustainability. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will prepare a written and graphic evaluation of a garden that identifies areas in which sustainability can be improved. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will successfully prepare a written and graphic evaluation of a garden that identifies areas in which sustainability can be improved.		
Department - Environmental Horticulture & Design (HORT) - HORT 90X - XERISCAPING: CREATING WATER-CONSERVING LANDSCAPES - SLO 1 - Knowledge - Describe characteristics associated with drought tolerant plants. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will create a list of drought tolerant plant characteristics. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will create a list of drought tolerant plant characteristics.	06/24/2016 - 100% of the students were able to demonstrate the use of drought tolerant plantings and landscape water conservation techniques. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016	06/24/2016 - None required at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90X - XERISCAPING: CREATING WATER-CONSERVING LANDSCAPES - SLO 2 - Application of knowledge - Discuss methods of auditing water use in gardens. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Student will perform a water audit for a garden. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will successfully perform a water audit for a garden.	07/12/2013 - 100% of the students were able to perform a successful water audit. The class also looked at two field sites where water catchment and other water conservation measures were being employed in the landscape designs. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	07/12/2013 - The Foothill HORT facilities have several water conservation demonstration areas already in place which is a great asset for a class such as this. More water conservation features / gardens are planned in the future.
		06/29/2013 - 100% of students were able to discuss and apply the process of water auditing in a lab setting. **Result:** Target Met **Year This Assessment Occurred:**	06/29/2013 - Since everyone successfully completed the water auditing portion of the class, no action is necessary. However, resources for instruction are needed in the form of equipment and

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		2012-2013 **Resource Request:** More irrigation equipment and supplies are necessary to teach this course. Labs need to have testing equipment, tools, and irrigation supplies to suceessfully instruct students in water auditing techniques.	supplies to adequately meet the instructional requirements of the class.
Department - Environmental Horticulture & Design (HORT) - HORT 90Y - CACTI & SUCCULENTS - SLO 1 - Knowledge - Identify cacti and succulents presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field cacti and succulents identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will pass with a score of 80% or higher.	12/18/2014 - 86% of the students passed with a score of 80% or higher. Failure to meet target impacted by 3 of 31 students who failed to attend after first class and received failing grades. **Result:** Target Not Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** SLO should be adjusted to accomodate non -performing students.	12/18/2014 - Course content is good. SLO's will be reviewed.
		01/11/2013 - 95% of the students passed the field exam with a score of 80% or more. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013	01/11/2013 - No action is required at this time. The Stanford Cactus Garden has worked well as a site of the lab component of this class. 05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90Y - CACTI & SUCCULENTS - SLO 2 - Application of	**Assessment Method:** Students will complete objective exam requiring selection of cacti and succulents	12/18/2014 - 91% of the students were able to compare and contrast plant features. **Result:**	12/18/2014 - No change in course. SLO's to be reviewed.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Knowledge - Compare and contrast cacti and succulent features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will complete exams with a score of 80% or higher.	Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** none **GE/IL-SLO Reflection:** SLO should be adjusted to accomodate non -performing students.	
		01/15/2012 - 94% of the students complete the objective exam with a score of 80% or greater. **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	05/15/2012 - Given the student success rate, no changes to the course structure are planned at this time.
Department - Environmental Horticulture & Design (HORT) - HORT 90Z - ORNAMENTAL GRASSES - SLO 1 - Knowledge - Identify ornamental grasses presented by botanical and common names. (Created By Department - Environmental Horticulture & Design (HORT)) **Course-Level SLO Status:** Active	**Assessment Method:** Students will complete field ornamental grasses by identification exam. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 90% of the students will pass with a score of 80% or higher.	01/22/2014 - 92% of the students were able to identify ornamental grasses in the field. A couple of people received non-passing grades, primarily because they stopped attending after the drop/withdraw date. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Expansion of grasses garden. **GE/IL-SLO Reflection:** Students understood the various methods of identifying differing grasses.	01/23/2014 - Communicate with students who stop showing up after the drop date to determine if there is a way to retain them in the class. 10/16/2012 - A better slide set should increase competency in this area.
Department - Environmental Horticulture & Design (HORT) - HORT 90Z - ORNAMENTAL GRASSES - SLO 2 - Application of Knowledge - Compare and contrast ornamental grass features and cultural need. (Created By Department - Environmental Horticulture & Design (HORT))	**Assessment Method:** Students will complete an objective exam requiring selection of ornamental grasses for design situations based on required features and cultural conditions. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:**	07/15/2012 - 95% of the students were able to select ornamental grasses for varying cultural and design situations **Result:** Target Met **Year This Assessment Occurred:** 2011-2012	10/16/2012 - More design related material will help achieve a higher goal.

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Course-Level SLO Status: Active	90% of the students will achieve a score of 80% or higher on the exam.	**GE/IL-SLO Reflection:** Students understood the cultural and design parameters and were able to match the types of grasses that would fit these situations.	
Department - Environmental Horticulture & Design (HORT) - HORT 91A - COMPOSTING THEORY & TECHNIQUES - Identify composting methods - Student will be able to identify different methods of composting (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 12/07/2012 **End Date:** 01/31/2013 **Course-Level SLO Status:** Active	**Assessment Method:** Student will be asked to identify in writing the various composting methods. **Assessment Method Type:** Exam - Course Test/Quiz **Target for Success:** 80% of the students will be able to write down the names of at least 5 composting methods.	10/23/2013 - All of the students completing the class were able to correctly identify and discuss 5 methods for composting. There were three people who never showed up for the class and did not drop the class who received failing grades. I did not feel that these students should be considered part of the measure of success for this class since they did not participate. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Continued expansion of the composting facility at the college. This may include the need for equipment such as chipper/shredders.	01/23/2014 - None at this time. 10/23/2013 - Beyond continuing to develop the composting educational display area, no other actions are necessary at this time. The course content was appropriate for the length and scope of the course.
Department - Environmental Horticulture & Design (HORT) - HORT 91A - COMPOSTING THEORY & TECHNIQUES - Build compost pile - Student will be able to construct a hot compost pile. (Created By Department - Environmental Horticulture & Design (HORT)) **Assessment Cycles:** End of Academic Year **Start Date:** 12/07/2012 **End Date:** 01/31/2013 **Course-Level SLO Status:** Active	**Assessment Method:** Student will properly construct a layered hot compost pile. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of the students will be able to properly construct a complete layered hot compost pile.		

Course-Level SLOs	Means of Assessment & Targets for Success / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Department - Environmental Horticulture & Design (HORT) - HORT 91C - CONSTRUCTION COST ESTIMATING - Estimating materials - Students will be able to calculate quantities of materials required for a landscape construction project. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 10/01/2016 **End Date:** 10/30/2020 **Course-Level SLO Status:** Active			
Department - Environmental Horticulture & Design (HORT) - HORT 91C - CONSTRUCTION COST ESTIMATING - Calculating project costs - Student will be able to assemble costs for project, including materials, labor overhead and other costs, into an estimate. (Created By Department - Environmental Horticulture & Design (HORT)) **Start Date:** 10/01/2016 **End Date:** 10/30/2020 **Course-Level SLO Status:** Active	**Assessment Method:** Prepare cost estimate from plans for a project. **Assessment Method Type:** Class/Lab Project **Target for Success:** 80% of students will prepare an estimate that is within 10% of the actual costs.		

Unit Assessment Report - Four Column

Foothill College

Program (BHS-HORT) - Environmental Horticulture and Design AS/CA

PL-SLOs	Means of Assessment & Target / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
Program (BHS-HORT) - Environmental Horticulture and Design AS/CA - 1 - Students will demonstrate skills necessary to design residential landscapes. **SLO Status:** Active	**Assessment Method:** For students planning to practice landscape design as a career, as well as for those entering other Green Industry sectors, we have devised a class project which gauges the student's ability to create a landscape design. In our HORT 60B Landscape Design: Theory class, students work on a typical landscape design project with a variety of programmatic requirements. **Assessment Method Type:** Class/Lab Project **Target:** A successful student would be able to demonstrate the knowledge and skill sets of landscape design principles and practices. Each student will prepare a rendered landscape plan which meets the programmatic requirements of the project.	10/31/2016 - Students enrolled in the range of courses covering residential landscape design, including graphics, design process, design theory, planting design, vectorworks, sketchup, design forum and design principles, successfully completed their coursework. Over 90% of the students enrolled in these courses achieved an 80% or higher score in the coursework. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** continued update of software, instructional assistance for labs, more open lab time **GE/IL-SLO Reflection:** This SLO remains adequate to assess our students.	10/31/2016 - Request funding for software in a variety of requests. Ask for instructional assistance in program review.
		08/03/2015 - Students took 2 design related courses during the year. 100% successfully completed a rendered plan for Planting Design and all but one student, 95%, successfully complete a design for Design Theory. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** Continued update of software and provision of design labratory materials. **GE/IL-SLO Reflection:** SLO is still valid for this objective.	08/03/2015 - Curriculum will be maintained as currently taught. 08/03/2015 - Curriculum will be maintain as current.
		10/01/2014 - 95% of the students who participated in the design projects required in the series of design classes achieved a passing grade. **Result:**	10/01/2014 - Activities related to this SLO will continue across the curriculum. Upgrade of facilities will be sought through available funds.

PL-SLOs	Means of Assessment & Target / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Updated audio/video equipment in the classroom. **GE/IL-SLO Reflection:** Students were able to communicate graphically their ideas and used problem solving techniques to address complex design problems.	
		11/04/2013 - For this target year, 97% of the students in HORT 60B were able to successfully complete a rendered landscape plan which meet the programmatic requirements specified for the course. Only one student was unable to complete the last half of the course (due to family related issues), and received a non-passing grade. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** Updated classroom projections systems are needed for presentations and demonstrations. The current visualizer system is beginning to show signs of failing.	11/04/2013 - Request replacement of Visualizer and Projectors in the classroom.
Program (BHS-HORT) - Environmental Horticulture and Design AS/CA - 2 - Students will be able to identify plant material commonly used in landscape projects by Green Industry professionals. **SLO Status:** Active	**Assessment Method:** Through field tests, students will be able to correctly identify a variety of trees and shrubs. For this assessment, we will utilize both our fall and spring plant identification courses (HORT 21 & HORT 22: Plant Material I & II). **Assessment Method Type:** Exam - Course Test/Quiz **Target:** On their final plant identification exam,	10/31/2016 - Over 95% of the students engaged in plant identification courses, including plants 1, plants 2 and all specialty courses, successfully completed the course. The average score was above 85%. **Result:** Target Met **Year This Assessment Occurred:** 2015-2016 **Resource Request:** funds for planting arboretum plants on	10/31/2016 - Engage students and staff in upgrading resource database. Continue to install plants used in courses in hort facility and on campus.

PL-SLOs	Means of Assessment & Target / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		campus. Instructional assistance **Resource Request:** funds for planting arboretum plants on campus. Instructional assistance. Upgraded resource database. **GE/IL-SLO Reflection:** This SLO remains adequate for assessing our students. **GE/IL-SLO Reflection:** This SLO remains adequate for assessing our students.	
	students will demonstrate an accurate level of plant knowledge for at least 80% of plant features reviewed.	08/03/2015 - In the two required plant id courses, PM 1 and PM2, 91% of the students scored at or above the 80% level for PM1 and 92% scored at the 80% or higher level for PM2. **Result:** Target Met **Year This Assessment Occurred:** 2014-2015 **Resource Request:** creation of arboretum on campus to reduce off campus field trips. **GE/IL-SLO Reflection:** SLO is adequate	01/06/2016 - Assessment in this prescribed manner will continue. Resource request to be added to program review. 08/03/2015 - Testing will continue in current manner. Resource request will be added to program review.
		10/01/2014 - Over 95% of the students were able to correctly identify the trees and shrubs presented in the selected courses. **Result:** Target Met **Year This Assessment Occurred:** 2013-2014 **Resource Request:** Arboretum development on campus. **GE/IL-SLO Reflection:** Students were able to use problem solving skills to address plant useage and identification.	10/01/2014 - Program will continue to add plants used in the course to campus planting locations. Methods of instruction and assessment will continue to be used.
		11/04/2013 - In both of our required plant material classes (Hort 21, Trees and Hort 22, Shrubs) over 93% of our students were able to identify plant	11/04/2013 - To improve the success rate of students in this assessment, more plant material

PL-SLOs	Means of Assessment & Target / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
		material at a rate higher than our goals. This rate is excellent but we are encumbered by having to travel long distances to find plant material for the class, and the plant material located on campus is often in poor condition. **Result:** Target Met **Year This Assessment Occurred:** 2012-2013 **Resource Request:** * Lath House expansion to accomodate instructional plant production and plant identification. Full time lab tech / facility manager. Equipment. **GE/IL-SLO Reflection:** The SLO is adequate for the current state of the class, with the possibility of adjusting upward the goals and the percentages of students reaching the goal if action plan can be successfully implemented.	needs to be provided locally rather than at off-campus locations. This would require additional space in the current lath house to keep specimen plant material and the development of an arboretum, either within the horticulture facility or via campus plantings, that allow more efficient presentation of plant material that are included on our plant lists. Maintenance of that plant material and plant storage facilities will require continual updating of equipment and the employment of a lab assistant to guide and implement maintenance plans. It is also important that classroom technology, such as internet, presentation equipment and plant material software be routinely updated to keep pace with the changing developments in horticulture and student learning. 10/10/2012 - To improve the success rate of students in this assessment, more plant material needs to be provided locally rather than at off-campus locations. This would require additional space in the current lath house to keep specimen plant material and the development of an arboretum, either within the horticulture facility or via campus plantings, that allow more efficient presentation of plant material that are included on our plant lists. Maintenance of that plant material and plant storage facilities will require continual

PL-SLOs	Means of Assessment & Target / Tasks	Assessment Findings/Reflections	Action Plan & Follow-Up
			updating of equipment and the employment of a lab assistant to guide and implement maintenance plans. It is also important that classroom technology, such as internet, presentation equipment and plant material software be routinely updated to keep pace with the changing developments in horticulture and student learning.