



Welcome to Program Review

Merritt College - 2019

LANHT - Instruction

Annual Program Update

Program Overview

Please verify the mission statement for your program. If your program has not created a mission statement, provide details on how your program supports and contributes to the College mission.

The Landscape Horticulture Department's mission is to help students attain knowledge, skills, and broad-based outlooks needed to succeed as professionals, as stewards of the land, and as responsible citizens. To accomplish these goals the department provides open access to educational programs, support services, and community outreach in a rigorous, diverse, and culturally rich learning environment.

Program Total Faculty and/or Staff

Full Time

Christopher Grampp, faculty
Lawrence Lee, faculty
Laura Forlin, faculty
Maura Sealund, staff
Maril Bull, staff
Nia Hill, staff

Part Time

Allegra Mautner
Lifan Zhang
Ann Northrup
David Mcginnis
Edward Dunbar
Peter Churgel
Mary-Amanda Shugleit
Niambi Hill
Stewart Winchester
Thomas Branca
Terri McFarland
Kate Stickley
Grey Kolevzon
Patricia St. John
Gregory Tarver
Eric Folmer
Emily Spillet
Dorothy Abeta
Molly Batchelder
Theresa Halula
Kingman Lim

The Program Goals below are from your most recent Program Review or APU. If none are listed, please add your most recent program goals. Then, indicate the status of this goal, and which College and District goal your program goal aligns to. If your goal has been completed, please answer the follow up question regarding how you measured the achievement of this goal.

Describe your current utilization of facilities, including labs and other space

The Landscape Horticulture Department occupies 8 fenced acres (and 3-4 unfenced acres) on the Northwest corner of the Merritt College campus. We have three classrooms hold (in total) around 140 students, a main office and a satellite trailer office, around 35 parking spaces, two nursery growing grounds, a Permaculture food forest (about 1 acre), a meadow for classes, events, and gatherings, 6 greenhouses (all part of a single structure), a tool building, several storage sheds, and numerous demonstration gardens. First and foremost our facility is a teaching laboratory: students use our grounds to learn how to identify and grow trees, shrubs, and groundcovers, to build landscape structures, to install irrigation systems, to propagate plants, to understand how to work with soils and fertilizers, to study and realize permaculture principles, to create and build landscape designs, and more. To this extent, our student success metrics are closely tied to the money we get from the college to sustain and develop our grounds. Put another way, in order to ensure student success, we need our facility to mirror the types of uses and technologies that are graduating students are likely to encounter in their jobs.

We also use our grounds for public events, such as our twice-yearly plant sale, East Bay Regional Park District and City of Oakland Parks Department employee tours, Tree Care Industry fieldwork, Oakland Unified School District school garden tours, Child Development and Art Department classes and visits, Merritt College Staff functions, tool safety seminars, and more.

Program Update

Semester End Enrollment/Usage Pattern

Review your Semester End Enrollment by setting the filter to your college and subject



Using the dashboard, review and reflect upon the data for your program. Describe any significant changes and discuss what the changes mean to your program. Consider whether performance gaps exist for disproportionality impacted students. Focus upon the most recent year and/or the years since your last comprehensive program review. Cite data points from the dashboard to support your answer.

Landscape Horticulture enrollments have declined in the past three years, from 1, 604 in 2015-16, to 1,365 in 2016-17, to 1,238 in 2017-18. Evidence from student feedback, statewide Community College trends, and Department of Labor statistics strongly suggest the main reason for the decline: when the economy heats up, Landscape Horticulture enrollments -- like those in most CTE programs - decline, as students or potential students are pulled into the workforce. Witness 2012, when the US economy bottomed out, Community College enrollments spiked throughout the state, with Merritt productivity averaging over 20.00! As the economy rebounded, enrollments have declined. Landscape Horticulture and Landscape Architecture enrollments are especially sensitive to such fluctuations, inversely mirroring employment percentages.

This number is likely to rise when the historically low unemployment rates rise (presently they are at the lowest level in decades). The numbers also reflect positive changes we are making to our programs that are attracting, retaining, and graduating new students: our landscape architecture program (one of only 4 in the state), our permaculture program (the only CC program in the country), our new tree care program, and our extensive plant ID and culture curriculum, among other factors to be addressed further on in this report.

Describe the department's progress on Student Learning Outcomes (SLOs) and/or Administrative Unit Outcomes (AUOs) since the last Program Review/APU. If your discipline offers a degree or certificate, please describe the department progress on Program Learning Outcomes (PLOs).

See attached link to spread sheet showing progress on SLO assessment for LANHT:
https://docs.google.com/spreadsheets/d/1UWsWqNIX5MnKcGoX6Cp9GW_9_ukQ7dmhurMK-LEh0GU/edit#gid=462488737

Describe the outcomes and accomplishments from previous year's funded resource allocation request.

Brief description of funded request	Source (any additional award outside your base allocation)	Total Award Amount	Outcome/Accomplishment
50% of Science Tech full-time salary	SWF round 2	\$45,000	We have hired a full time science technician to support our 8 acre facility and grounds, and supports instruction.
Student instructional aids	SWF round 1 & 2	20,000	We hired 6-10 student aids per semester to support our lab courses
Instructional Equipment	SWF round 1 & 2	45,000	Equipment for labs, which may include chipper, chain saws, hand pruners, hand saws, long reach pruners, ladders, gloves, power tools for construction, SMART irrigation controllers, and irrigation valves.
Student Employee Assistants	SWF round 2	10,000	We hired 2-3 student workers to support our 8 acre facility and grounds.
Faculty Extra Service	SWF round 2	12,000	We did program outreach (high schools, public agencies, conservation corp. and to professional organizations (APLD, CLCA, ISA).

In the boxes below, please add improvement actions and resource requests that are directly related to the questions answered in this section. If there are no improvement actions or resource requested in this area, leave blank.

Improvement Action
Improvement Actions

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Maintain currency with state of the art software used in...	Current versions of software to teach our students what is currently used in the field. Includes CAD programs, Plant ID software, Nursery Management and Construction programing.	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Supplies	Software	Estimated Cost
Description/Justification		
Current versions of software to teach our students what is currently used in the field. Includes CAD programs, Plant ID software, Nursery Management and Construction programing.		5000

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Improve currency in field.	Landscape Architecture publications, ISA publications, CANERS, Irrigation Association.	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Supplies	Books, Magazines and Periodicals		
Description/Justification	Landscape Architecture publications, ISA publications, CANERS, Irrigation Association.	Estimated Cost	4000

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Supplies critical to instructional programs	Soil, fertilizers, plant material, seeds, containers, irrigation and construction supplies, design supplies (pencils, paper, drafting templates), soil and foliar testing kits and office supplies (including toner for printers).	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Supplies	Instructional Supplies and Materials		
Description/Justification	Soil, fertilizers, plant material, seeds, containers, irrigation and construction supplies, design supplies (pencils, paper, drafting templates), soil and foliar testing kits and office supplies (including toner for printers).	Estimated Cost	14000

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Professional development	Staff and faculty professional development opportunities to stay current in our respective fields. May include conferences, continuing education, literature, professional memberships, etc. Our findings from our ongoing course and program assessments indicate the importance for us to stay current with changes in our profession.	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Professional Development

Department-wide PD needed

Description/Justification

Staff and faculty PD opportunities to stay current in our respective fields. May include conferences, continuing education, literature, professional memberships, etc. Our findings from our ongoing course and program assessments indicate the importance for us to stay current with changes in our profession.

Estimated Cost

22000

Improvement Action

Action Item

Description

To be completed By

Responsible Person

IT improvement

2 Laptops (to replace our 7-8 year old laptops used in the field).

6/30/2020

Laura Forlin and Chris Grampp

Resource Request

Technology and Equipment

Replacement

Description/Justification

2 Laptops (to replace our 7-8 year old laptops used in the field).

Estimated Cost

10000

Improvement Action

Action Item

Description

To be completed By

Responsible Person

New drafting tables and lights needed for instructional ...

5 new drafting tables and chairs for our design lab.
12 dimmable lights for showing digital presentations.

6/30/2020

Laura Forlin and Chris Grampp

Resource Request

Facilities

Classrooms

Description/Justification

5 new drafting tables and chairs for our design lab.
12 dimmable lights for showing ppt presentations.

Estimated Cost

9000

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Tools required for lab activities	Equipment for labs, which may include chipper, chain saws, hand pruners, hand saws, long reach pruners, ladders, gloves, power tools for construction, SMART irrigation controllers, and irrigation valves.	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Facilities	Labs	Estimated Cost
Description/Justification Equipment for labs, which may include chipper, chain saws, hand pruners, hand saws, long reach pruners, ladders, gloves, power tools for construction, SMART irrigation controllers, and irrigation valves.		25000

Improvement Action

Action Item	Description	To be completed By	Responsible Person
Facility improvement.	Tractor repairs or replacement Greenhouse repairs and upgrades Demonstration garden development and maintenance Lighting for pathways for safety and night time access to teaching grounds Replacement of wooden gates that enclose classroom areas, greenhouse and lathe house access and garden perimeter Replace inoperable walk-in cooler for post harvest production, propagation and evening plant ID classes	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

Facilities	Other

<p>Description/Justification Many of the facility repairs that are needed, have not been done since the building opened 40 years ago and are essential for the safety and functioning of our day and night programs which include indoor and outdoor lab exercises. The repairs needed include: New wooden gates Pathway lighting Walk in cooler Tractor repairs or replacement (required to maintain the grounds) Greenhouse repairs and upgrades Demonstration garden development and maintenance</p>	<p>Estimated Cost 160000</p>
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Improvement Action

Action Item	Description	To be completed By	Responsible Person
Program outreach	Program outreach (high schools, public agencies, conservation corp., professional organizations), webpage support.	6/30/2020	Laura Forlin and Chris Grampp

Resource Request

<p>Other</p> <p>Description/Justification Program outreach (high schools, public agencies, conservation corp., professional organizations and webpage support).</p>	<p>Other</p> <p>Estimated Cost 10000</p>
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Improvement Action

Action Item	Description	To be completed By	Responsible Person
Science Technician support	3. Full time science technician to support our 8 acre facility and grounds	6/30/2020	Laura Forlin, Chris Grampp and Nia Hill

Resource Request

<p>Personnel</p>	<p>Classified Staff</p>
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% Time	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs
100	To support our 8 acre facility and grounds and support labs	50000	40000
Total Costs			
90000			

Improvement Action

Action Item	Description	To be completed By	Responsible Person
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Resource Request

Choose an Option

Resource Request Summary

Total Cost: \$346000
 Total Resource Request: 10

Program Update Personnel					
Type	% Time	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs	Total Costs
Classified Staff	100	To support our 8 acre facility and grounds and support labs	50000	40000	90000
Sub-Total: \$90000					
Professional Development					
Type	Description/Justification	Estimated Cost			
Department-wide PD needed	Staff and faculty PD opportunities to stay current in our respective fields. May include conferences, continuing education, literature, professional memberships, etc. Our findings from our ongoing course and program assessments indicate the importance for us to stay current with changes in our profession.	22000			
Sub-Total: \$22000					
Technology and Equipment					
Type	Description/Justification	Estimated Cost			
Replacement	2 Laptops (to replace our 7-8 year old laptops used in the field).	10000			
Sub-Total: \$10000					
Supplies					
Type	Description/Justification	Estimated Cost			

Software	Current versions of software to teach our students what is currently used in the field. Includes CAD programs, Plant ID software, Nursery Management and Construction programing.	5000
Books, Magazines and Periodicals	Landscape Architecture publications, ISA publications, CANERS, Irrigation Association.	4000
Instructional Supplies and Materials	Soil, fertilizers, plant material, seeds, containers, irrigation and construction supplies, design supplies (pencils, paper, drafting templates), soil and foliar testing kits and office supplies (including toner for printers).	14000
Sub-Total: \$23000		

Facilities Type	Description/Justification	Estimated Cost
Classrooms	5 new drafting tables and chairs for our design lab. 12 dimmable lights for showing ppt presentations.	6000
Labs	Equipment for labs, which may include chipper, chain saws, hand pruners, hand saws, long reach pruners, ladders, gloves, power tools for construction, SMART irrigation controllers, and irrigation valves.	25000
Other	Many of the facility repairs that are needed, have not been done since the building opened 40 years ago and are essential for the safety and functioning of our day and night programs which include indoor and outdoor lab exercises. The repairs needed include: New wooden gates Pathway lighting Walk in cooler Tractor repairs or replacement (required to maintain the grounds) Greenhouse repairs and upgrades Demonstration garden development and maintenance	160000
Sub-Total: \$191000		

Library
No Resources found for this category

Other Type	Description/Justification	Estimated Cost
	Program outreach (high schools, public agencies, conservation corp., professional organizations and webpage support).	10000
Sub-Total: \$10000		

Sign and Submit

Please provide the list of members who participated in completing this program review.

Laura Forlin, Chris Grampp and Maura Sealund

Please enter the name of the person submitting this program review.

Laura Forlin

