

# Merritt College LANDHORT Spring 2020

• Everything is subject to change!\*

• Revised 1/27/20

**CHANGE:LH86 Applied Tree Work now late start: 2/8- has new class code- see notes under LH86, page 2 • CANCELED: LH87 & LH88**

No.	Class title	Instructor	Day(s)	Times	Room no.	Enrollment code	Units
LH1	Introduction to Horticulture	Lawrence Lee	Monday	10am - 3:50pm	H108	22179	3 units
LH1E	Introduction to Horticulture	Laura Forlin	Tuesday	6:30 - 9:20pm	H108	22180	3 units
LH1: Principles and practices of basic landscape horticulture: history, planting, soils, plant structure, propagation, maintenance. Labs (day classes only) include field work and field trips. Evenings: slide presentations subbed for labs							
LH2E	Plant Materials: Tree ID	Laura Forlin	Wednesday	6:30 - 9:20pm	H101	24097	3 units
LH2: ID and culture of trees used in Bay Area landscapes: climate; soil and water preference; pest and disease problems; and pruning and propagation. Slides and samples presented in lieu of outdoor labs.							
LH5B	Plant Materials: Spring Native Plant ID	Stew Winchester	Wednesday	10am - 3:50pm	H101	24098	3 units
LH5B: ID and culture of spring native plants used in the landscape: Climate, soil and water preferences; garden culture; pest and disease problems; pruning and propagation. Class labs are field trips to local Bay Area Landscapes.							
LH17E	Irrigation	David McGinnis	Thursday	6:30 - 9:20pm	H101	24100	3 units
LH17E: Principles and practices of irrigation design and installation: components, layout, hydraulics, automatic and solid-state controllers, drip irrigation and pumps. Slide presentations, tool demonstrations, and site analysis substituted for lab							
LH18B/LB	Landscape Design (lec. & lab)	Chris Grampp	Tuesday (lec.) & Thursday (lab)	1:00 - 3:50pm	H105	22181/22404 (concurrent)	3 units
LH18B & 18LB are taken concurrently (auto-enrollment in both). Continuation from LH18A/LA, Intro to LD • Principles of sustainable and low-impact design, advanced drawing techniques, cost estimating, planting design principles. LH18LB: Hands-on application of concepts presented in LH 18B: Principles of sustainable and low-impact design, advanced drawing techniques, cost estimating, planting plan development.							
LH23	Plant Terminology	Laura Forlin	Tuesday	1:00 - 3:15pm	H108	22184	2.5 units
LH23: Terminology used in ID of plants; terms relating to roots, stems, leaves, flowers and fruit used in all plant ID courses							
LH24	Beginning Plant Propagation	Lawrence Lee	Wednesday	6:00 - 9:45pm	H108	22185/86	3 units
LH24: Plant Propagation history, biology; reproduction via grafting, budding, layering, division, from cuttings, seeds; prop. environment, including media, edaphic factors (& effects on plants), fertilization, and greenhouse design.							
LH26	Pruning	Pete Churgel	Two Saturdays only: 3/28 & 4/4	9:00am - 5:45pm	H108	22202/03	.5 unit
LH26: Elements of pruning; basic pruning methods to more advanced techniques for pruning of ornamental trees, shrubs, vines, groundcovers and fruit trees. Bring lunch and appropriate outdoor clothing							
LH28A-D	Permaculture A, B, C, D	Lawrence Lee	Friday	9:00am - 1:50pm	H108	A 22191 B 22193 C 22195 D 22309	3 units
LH28: Strategies and techniques of applied ecology/permaculture design for livable human communities; observation of natural patterns, gardening in urban settings; permaculture ethics and principles.							
LH33AB	Design Evaluation of Bay Area Landscapes	Chris Grampp	Friday	10:00am - 3:20pm	H105	A- 22401 B-22403	3 units
LH33AB: Investigation of selected landscapes around the San Francisco Bay Area, history and the conditions under which designed. Site visits, observing and evaluating their success through discussion, sketching and written reporting.							
LH34ABC	Computer-Assisted Landscape Design ABC	Mandy Shlugleit	Tuesday	6:00pm - 9:50pm	L132 (main campus library)	A- 22197 B- 22199 C-22201	3 units
LH34ABC: Principles and techniques of 2D computer-assisted design: layering, dimensioning, technical computations, free-hand techniques, symbol libraries, and preparation of completed designs using VectorWorks software.							
*LH35A	Advanced Landscape Design	Terri McFarland	Wednesday	5:00 - 9:50pm	H105	22333/34	3 units
Pre-req: LH18LB or 22B • Topographic form and design: Grading and drainage principles and practices, erosion control, cut and fill calculations, preparing and interpreting contour maps, and designing walls, stairs, and terraces.							
LH57	Form and Comp. in Landscape Design	Chris Grampp	Monday	6:30 - 9:45pm	H101	22378	3 units
LH57: Aesthetic & experiential principles/practice of landscape design: form, space, unity, pattern, scale as major factors in design development. Focus on aesthetic aspects of compositional unifiers; creating, enhancing sensory experience.							
LH76	Edible Landscaping	Lawrence Lee	Thursday	10:00am - 3:50pm	H108	22880/81	3 units
LH76: Use of food producing plants in the landscape for homeowners, renters, school gardens, community gardens, senior centers, and micro-farms.							
LH80	Urban & Community Forestry	Allegra Mautner	Thursday	7:00 - 8:50pm	H108	22884	2 units
LH80: Urban and community forestry Foundations. Arborist technology; appraisal; managing and applying work practices; policies and vegetation management							

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LH82	<b>Tree Health Care</b>	Laura Forlin	Thursday	5:00 - 6:50pm	H108	22885	2 units
LH82: Exploration of tree health care: management, treatment, prescriptions; IPM; nutrition; equipment, soil amendments, managing construction damage; integrated vegetation mgmt.; tree risk assessment; tree hazard mgmt.							
*LH84	<b>Pruning for Urban Community Forestry</b>	Folmer, Batchelder, Winchester	Friday	1:30 - 4:20pm	H101	22886	1 unit
Pre-req: LH26 (concurrent may be ok) Principles & practices in urban/community forestry pruning: tree care pruning standards ; assessing for pruning; pruning techniques.							
*LH86	<b>Applied Aerial Treework • Note: class now late start: 2/8!</b>	Kingman Lim	Saturday • see note below!	9:00am - 12:50pm	H108	25693/94	2 units

LH86 Students who had been enrolled in LH86 - the class is not canceled; the start date change caused you to be dropped. You will need to re-enroll in the class (using new code: 25693)

**Pre-req: LH85 Strategies & techniques of applied aerial tree work: Safe practice- aerial use of chainsaws; pruning at heights; rigging loads during aerial work; climbing in spurs; decision-making for aerial pruning cut s& tree care; aerial rescue training.**

<b>*LH87</b>	<b>Advanced Aerial Tree Work</b>	<b>CANCELED</b>		<b>CANCELED</b>		<b>CANCELED</b>	
Pre-reqs LH85 Advanced , hands-on application of aerial tree work: emergency response; aerial rescue; storm prep; storm damage response; working with wood under tension; tree risks & mechanics; emerging trends impacting the trade & occupation; skill building in advanced or specialized technical aerial tasks associated with rigging, removal and felling.							
<b>*I H88</b>	<b>Crew Leadership in Arboriculture</b>	<b>CANCELED</b>		<b>CANCELED</b>		<b>CANCELED</b>	

Pre-reqs: LH13, 80, 82, 83, 84, 86. Aspects of crew leadership: Preparation for post-training work duties; examination of key job duties and tasks associated with tree care opps; communications, planning, & leadership; job site set-up; resource mgmt; reporting; communication and interpersonal skills in various work site situations; interpreting work orders/plans; application of leadership skills to solve problems; examine strategies for creating safe workplaces and modeling safe cultures for diverse

UNITS: Units of instruction, practice, or assessment designed, delivered, and evaluated through a variety of methods.

# **Environmental Management & Technology**

Natural Resources interdisciplinary studies is a career ed. program designed to train students for careers & further ed. pertaining to Bay Area natural history & resources. Info: [www.merritt.edu/wp/nhs](http://www.merritt.edu/wp/nhs) or see brochures in Horticulture.

**ENVMT2** Intro to Sustainable Env. Systems      **Yael Ehrenberg/Paul Roge**      **Tuesday**      **1:00 - 3:50pm**      **H101**      **24116**      **3 units**

ENVT2: Interdis. study of impact of human civilization on earth's major ecological systems: Issues examined in historic, contemporary, and future settings, in both Western and non-Western contexts; focus on core concepts and methods related to ecology, sustainability, human population, natural resources, wastes and pollution; reflection on how human economic, political, and ethical behaviors are inextricably interwoven with the environment; environmental career options.

**ENVMT2L** Prin. of Ecology & Sustain. Svst. Lab Yael Ehrenberg/Paul Roge Wednesday 1:00 - 3:50pm H108 24117 1 unit

Field lab course. Identify, measure, test sustainable principles discussed in ENVMT 2/BIOL 13: Qualitative & macro/micro quant. methods; identifying & sustaining ecosystems; nutrient cycling; geographical & aquatic ecology; population dynamics; water & energy systems; air pollution & hazardous waste, farming methods & use of pesticides.

**ENV/MT353** Intro to Urban Agroecology **Vael Ehrenberg/Paul Rose** **Tuesday** **9:00am - 11:50pm** **H101** **24118** **3 units**

Introduction to the expanding production and distribution of healthy food and environmentally sustainable agriculture in and near cities: Organic and intensive agriculture, field methods, policy, economy, ecology, and equity

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Practical solutions for ecological farming methods & community food security: practical skills for creating an ecologically based bio-intensive garden; planning, developing, and sustaining small-scale urban food gardens for diverse housing types

Practical solutions for ecological farming methods & community food security: practical skills for creating an ecologically based bio-intensive garden, planning, developing, and sustaining small-scale urban food gardens for diverse housing types.						
Employee	Title	Primary Function	Day(s) Worked	Start Time	End Time	Location
ENV-1001	Brian G. Conservation & Land Manager	Site Coordinator	Thursday	6:30	8:30pm	H105

Introduction to natural resources conservation and management: Historical and political overview of conservation and natural resource policies in California and the United States

Rev. 1/27/20 • Spring 2020 semester: 1/21 - 5/22/20 • Info: LANHT: [www.merritt.edu/wp/lanht](http://www.merritt.edu/wp/lanht) • Nat. Resources: [www.merritt.edu/wp/nhs](http://www.merritt.edu/wp/nhs)

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LANHT CLASSROOM GRAPH SPRING 2020									Everything is subject to change!*						Rev. 1-24-20		
TIME	MONDAY			TUESDAY				WEDNESDAY			THURSDAY			FRIDAY			SAT.
	101	105	108	101	105	108	L132*	101	105	108	101	105	108	101	105	108	108
	<i>LH501 field @ Merritt LANHT</i>				<i>LH501 Lakeside Park</i>												
		YE/PR							YE/PR	87					LL	KL	
9-9:30				ENV35					ENV35L						LH28	LH86	
9:30-10		LL	ENV35					SW	ENV35L			LL		CG	LH28	LH86	
10:00-12:00		LH1	ENV35					LH5B	ENV35L		LH76			LH33	LH28	LH86	
12:00-1:00		LH1						LH5B			LH76			LH33	LH28	LH86	
		YE/PR							YE/PR	88				FBW		LH86	
1:00-1:30	SMT	LH1	ENV2	CG	LF			LH5B	ENV2L		CG	LH76	LH84	LH33	LH28		LH86
1:30-2:00	BotD	LH1	ENV2	LH18B	LH23			LH5B	ENV2L		LH18LB	LH76	LH84	LH33	LH28		LH86 starts Feb. 8!
2:00-3:00	BotD	LH1	ENV2	LH18B	LH23			LH5B	ENV2L		LH18LB	LH76	LH84	LH33			
3:00-3:30	BotD	LH1	ENV2	LH18B	LH23			LH5B	ENV2L		LH18LB	LH76	LH84				
3:30-4:00	BotD	LH1	ENV2	LH18B				LH5B	ENV2L		LH18LB	LH76	LH84				
		LF/CG													LH84		
4:00-4:30			LH210											LH84			
4:30-5:00			LH210					TM			LF						
5:00-6:00			LH210	KW		MS		LH35A	LL		82						
6:00-6:30				Floral	LF	LH34	LF	LH35A	LH24	DM	TBA	82					
6:30-7:00	CG			Floral	LH1E	LH34	LH2E	LH35A	LH24	LH17E	ENV55	82					
	LH57			Floral	LH1E	LH34	LH2E	LH35A	LH24	LH17E	ENV55	AM					
7:00-9:00	LH57			Floral	LH1E	LH34	LH2E	LH35A	LH24	LH17E	ENV55	80					
9:00-9:30	LH57				LH1E	LH34	LH2E	LH35A	LH24	LH17E	ENV55						
9:30-10:00	LH57					LH34		LH35A	LH24								

\*LH34ABC is in L132 on main campus, LH 501/TB in field T 9- 10:00 Merritt/ W 9:30- 11:15am Lakeside Park  
library building, lower level (T 6-9:50PM) LH26: PC D: 3/28 & 4/4 RM: H108

The mission of Merritt College is to enhance the quality of life in the communities we serve by helping students to attain knowledge, master skills, and develop the appreciation, attitudes and values needed to succeed and participate responsibly in a democratic society and a global economy.

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# Merritt College Landscape Horticulture Department Projected Class Scheduling

rev. 1/14/20

**F= Fall, S= Spring, D= Day, E= Evening • See notes re: Revised Program Requirements, (too) rarely offered classes, etc....**  
 Remember, Everything is subject to change\*. Stay current: Watch for news of program updates, schedule changes, opportunities, etc. at: [www.merritt.edu/wp/lanht](http://www.merritt.edu/wp/lanht) (regularly updated), or see handouts/postings at Hort. dept.. **Please note!\*\* + If a class you need for your award has been canceled or is too rarely offered**, you may be able to substitute other coursework and/or experience - learn more about options such as substitution waivers & Independent Study, at LANHT office or counseling dept., &/or see college catalog. (also see below footnotes).

\*Class schedules DO sometimes change! Always check online [Passport](#) for accurate info (NOT the pdf of college-wide print schedule!)

LH1 (D [w/ Lab])/ <b>LH1E (E)</b> Intro to Hort: Every S & F (poss. summer): LH1: Mon. 10-4 and LH1E: Tues. 6:30- 9:20pm	LH45ABC Mushroom Cultivation: Fall, usually Day
<b>LH2/2E</b> Trees: S20 E, S21 D, S22 E	<b>LH49</b> Independent Study: By arrangement (Ask! and... see below!)
<b>LH3/3E</b> Ground Covers: may be revised or offered in future	<b>LH52</b> Special Projects in Plant Propagation (uncertain)
<b>LH4/4E</b> Shrubs F19?, F20?	<b>LH54</b> Integrated Pest Management: F19 E (uncertain)
<b>LH5A (D)/5EA (E)</b> Fall Natives: F19 D, F20 E, F21 D	<b>LH57</b> Form & Composition: S19 D, S20 E, S21 D
<b>LH5B (D)/5EB (E)</b> Spring Natives: S19 E, S20 D, S21 E, S22 D	<b>LH60</b> Freehand Drawing: Fall, Fridays, 10am – 3pm
<b>LH6A, 6EA, B, BE</b> Herbaceous Plants: near future?	<b>LH76</b> Edible Landscaping: S and/or F- F19 E, S20 D, F20 E
<b>LH8/8E</b> Turf*: likely to be revised or deactivated soon. ☞ Certificate/ AS track students: See info at bottom of page*	<b>LH77</b> Crop Production: (maybe) Spring Day
<b>LH9ABC</b> SketchUp Pro: every fall- F18 D, F19 E, F20 D, F21 E	<b>LH80</b> Urban & Community Forestry S19 E, S20 E, S21 D
<b>LH10</b> Insects: Spring, currently offered only evenings	<b>LH81</b> Arborist Equipment Fundamentals: F18E, F19E, F20 D
<b>LH11</b> Plant Diseases: every fall, likely Day	<b>LH82</b> Tree Health Care: S19 E, S20 E, S21 D
<b>LH12</b> Weeds: S19 Day, possibly S20 E	<b>LH83</b> Large Equipment Operations for Arborists: F20
<b>LH13 (D) or 13E (E)</b> Arboriculture: F19 D, F20 E, F21 D, F22 E	<b>LH84</b> Pruning for Urban & Community Forestry: Days S
<b>LH14 (D) or 14E</b> Landscape Construction: F19 E, F20 D, F21 E, F22 D	<b>LH85</b> Intro to Climbing & Aerial Tree Work: Days F
<b>LH16</b> Soil Management: F19 E, F20 D, F21 E	<b>LH86</b> Applied Aerial Tree Work: Days S (may be F)
<b>LH17 (D)/17E</b> Irrigation: S19 D, S20 E, S21 D, S22 E	<b>LH87</b> Advanced Aerial Tree Work: Day, S20, S22
<b>LH18A/18LA</b> (lab formerly LH22A) Landscape Design lecture/lab: (always Tuesday/Thursday) F19 D, F20 E, F21 D, F22 E	<b>LH88</b> Crew Leadership in Arboriculture: S20, S22 (or F?)
<b>LH18B/18LB</b> (lab formerly LH22A) Landscape Design lecture/lab: (always Tuesday/Thursday) S20 D, S21 E, S22 D	<b>LH201*</b> Maintenance Practices: very rarely offered ☞ Parks & Maintenance track students: See info page bottom **+
<b>LH19</b> Plant Nutrition: S19 Eve, S20 D, S21 E, S22 D	<b>LH206</b> Landscape Business Practices: F20 E, S21?
<b>LH21</b> Hort. Equipment*: not currently offered replacement: <b>LH81</b> ☞ Degree/certificate options: See info at bottom of page*	<b>LH208</b> Growing & Using Healthful Herbs: Summer
<b>LH23</b> Plant Terminology: usually evening, but scheduled for S20 day (Tuesdays, 1- 3:20pm, Forlin) (poss. summer)	<b>LH210ABC</b> Landscape Design Forum: every F & S Tues. 4- 6pm
<b>LH24</b> Plant Propagation: S19 D, S20 E, S21 D	<b>LH211ABC</b> Beneficial Beasts in the Garden: perhaps F20?**
<b>LH25</b> Nursery Management: F19 E, F21 D, F22 E	<b>LH501</b> Urban Community Gardening: Every semester, including summer. Tues. at Merritt Hort & Wed. at Lakeside Park
<b>LH26</b> Pruning: Every Semester: Last 2 Sat. or Sun. of March (S)/ October (F) or last + 1st of next mo. Day, 9am- 5:45pm	<b>Very Rarely Offered:</b> <b>LH7/7E</b> Conifers; <b>LH15</b> Botany, <b>LH46</b> Cycles of Land Use; <b>LH50</b> Plant Taxonomy; <b>LH55</b> History of Gardening; <b>LH56</b> Regenerative Design; <b>LH204</b> Floriculture, Greenhouse, Hydroponics
<b>LH28ABCD</b> Permaculture: F19 E, S20 D, F20 E, S21 D	* <b>Parks &amp; Maintenance</b> (PM below) and/or <b>Basic Hort</b> (BH) track students: Changes to program requirements are: BH & PM degree & cert., Old: LH8/New: LH17 or 17E. For PM, degree & cert, Old: LH21/New: LH81. For PM degree, Old:LH201/New: LH206 (+ see catalog rights below)
<b>LH29 (D)/29E (E)</b> Planting Design: F19 E, F20 D, F21 E	* <b>Need a class too rarely offered?</b> <b>Student Power</b> can be <b>effective, so act today!</b> 1. Find fellow students who also want LHxx scheduled 2. Start a petition/ poll- be sure to ask signers to specify days & times that will fit their schedule. If 25+ students commit to enrollment in LHxx if offered on – day D or E the class may well get scheduled (previous success). <b>OR:</b>
<b>LH33AB</b> Design Evaluations of Bay Area Landscapes: every semester, spring, Fridays, 10am – 3pm	+ <b>Class needed for award track, but not offered or canceled:</b> DO Not be discouraged – we're here to help you succeed, so let's discuss alternatives. You may be able to substitute experience + other LANHT units, or LH49 Independent Study (var. . 5-5 units) may be your solution.
<b>LH34ABC</b> Computer-Assisted Landscape Design: S19, S20, S21, etc. Currently offered evenings only	+ <b>Catalog Rights:</b> Students who maintain continuous enrollment may choose to achieve award under either original or revised program requirements.
<b>LH35AB</b> Advanced Landscape Design: S19 D, S20 E, S21 D, S22 E	
<b>LH36ABC</b> Natural Building: rarely offered (summer)	