Merritt College Landscape Horticulture • Arboriculture Courses • (New Fall 2018)

These courses are open to all (note *prerequisites). You need not be on track for Arboriculture degree and/or certificate.

LH80 Urban and Community Forestry

S19 2 units, 2 hours lecture (GR or P/NP)

Sat. Foundations of urban and community forestry: Technology used in the field by arborists; appraisal and value of urban vegetation; planning for, managing, and applying work practices in community forestry and urban forestry; urban forestry policies and vegetation ordinances; best practices for local community resources supporting urban forestry.

LH81 Arborist Equipment Fundamentals

F18 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Wed. Fundamentals of equipment used in the arborist trade: Chain saws, chippers, plant health care equipment, and aerial lift; truck driving and bucket truck operations; equipment maintenance; equipment safety and safe work practices.

LH82 Tree Health Care

S19 2 units, 2 hours lecture (GR or P/NP)

Thurs. Exploration of tree health care: Tree management, treatment options, and prescriptions; integrated pest management; plant nutrition; equipment for treatment applications; soil amendment; managing tree construction damage; integrated vegetation management standards; tree risk assessment; and tree hazard management.

LH83 ***Large Equipment Operations for Arborists** ***Prerequisite:** LH 81,84, 86

F19 3 units, 2 hours lecture, 3 hours laboratory (GR or P/NP)

Introduction to large-scale arboriculture equipment: Driving trucks and trailers; operation of lifts, stump grinders, and accessory equipment such as log loaders, booms, and cranes; rigging equipment, techniques, and safety; safe tree removal; felling trees and large limb felling.

LH84 *Pruning for Urban and Community Forestry *Prerequisites: LH26

S19 1 unit, 3 hours laboratory (GR or P/NP)

Principles and practices in pruning for urban and community forestry: Tree care pruning standards and application of standards to various tree care situations; trees assessment for pruning needs; types of pruning cuts and how to perform the cuts properly; commercial, municipal, and utility applications for pruning; application of pruning practices for specific tree species.

LH85 Introduction to Climbing and Aerial Tree Work

F18 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Practices and techniques of tree climbing and aerial tree work: Pre-climb inspections; climbing equipment for safety; rope installations; ascending skills; re-positioning skills; maneuvering techniques; descending skills; knots for various situations and applications; emergency response procedures including aerial rescue basic concepts.

LH86 *Applied Aerial Tree Work *Prerequisite: LH 85

S19 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Sat. Strategies and techniques of applied aerial tree work: Safe work practices; operating chain saws in an aerial situation; performing pruning cuts at heights; rigging loads during aerial work; climbing in spurs; decision-making for aerial pruning cuts and tree care; aerial rescue training.

LH87 *Advanced Aerial Tree Work *Prerequisites: LH13, LH83, LH84, LH86

F20 2 units, 1 hour lecture, 3 hours laboratory (GR or P/NP)

Advanced, hands-on applications of aerial tree work: Emergency response; aerial rescue; storm preparedness; storm damage response; working with wood under tension; tree risks & mechanics; emerging trends impacting the trade and occupation; skill building in advanced or specialized/technical aerial tasks associated with rigging, removal and felling.

LH88 *Crew Leadership in Arboriculture *Prerequisites: LH13, LH80, LH82, LH83, LH84, LH86

F20 1 unit, 3 hours laboratory (GR or P/NP)

Aspects of crew leadership in arboriculture: Preparation for post-training work duties; examination of key job duties and tasks associated with tree care operations; communications, planning, and leadership; setting up job sites; managing resources; reporting work performed; application of communication and interpersonal skills to various work site situations; interpreting written work orders/plans; application of leadership skills to solve problems; examine strategies for creating safe workplaces and modeling safe cultures for diverse populations.

MB 12/19/18