

Course Code	Outcome Title	Outcome Description
HORT 101	CLO 1	Analyze and solve basic plant growth problems in relation to the environmental influences of exposure, soils, nutrition and moisture.
HORT 101	CLO 2	Perform the basic cultural operations of watering, feeding, pest control, planning, planting, pruning and identifying landscape plants.
HORT 101	CLO 3	Appraise appropriate career choices.
HORT 102	CLO 1	Identify 10 insect orders, 3 vertebrate pests, 10 weeds and 10 diseases common to our area.
HORT 102	CLO 2	Rationalize and select associated methods of plant pest control.
HORT 102	CLO 3	Calculate appropriate amounts of active ingredients and calibration of equipment for chemical controls.
HORT 102	CLO 4	Demonstrate safety in mixing, handling, and applying chemical controls.
HORT 103	CLO 1	Analyze and select appropriate propagation methods for common landscape plants.
HORT 103	CLO 2	Employ various methods and techniques of propagation in grafting layering, cuttings and seeds.
HORT 103	CLO 3	Analyze and determine solutions to propagation problems of disease, nutrition, moisture and temperature.
HORT 103	CLO 4	Evaluate various plant growth regulators to determine their effect on the initiation of plant growth.
HORT 103	CLO 5	Determine the effectiveness of collection, storage and techniques to increase germination percents.
HORT 104	CLO 1	Assess and perform the appropriate types of pruning cuts.
HORT 104	CLO 2	Employ proper pruning techniques on landscape plants.
HORT 104	CLO 3	Analyze and correct common plant growth problems with appropriate pruning cuts.
HORT 104	CLO 4	Use and maintain pruning equipment properly.
HORT 104	CLO 5	Develop an annual pruning schedule.
HORT 105	CLO 1	Identify 100 varieties of plants used in western Washington landscapes.
HORT 105	CLO 2	Evaluate and associate the cultural requirements of these plants with their landscape placement.



HORT 105	CLO 3	Construct a collection of specimens organized by Family, Genus, species and varieties.
HORT 105	CLO 4	Distinguish and apply the physical features of leaves, stems, flowers and fruit to properly identify the plant species.
HORT 105	CLO 5	Evaluate and determine appropriate care, pruning, feeding and watering procedures of the species covered.
HORT 106	CLO 1	Establish a landscape maintenance plan, scheduling activities and labor.
HORT 106	CLO 2	Analyze and develop an estimate of equipment, materials and labor.
HORT 106	CLO 3	Operate mechanical equipment used in landscape maintenance.
HORT 106	CLO 4	Develop an equipment, materials and labor schedule.
HORT 106	CLO 5	Analyze and formulate an annual landscape maintenance program estimating and scheduling activities, materials, equipment and labor.
HORT 107	CLO 1	Recognize and distinguish proper landscape care.
HORT 107	CLO 2	Operate small hand and power tools used in landscape maintenance.
HORT 107	CLO 3	Plant, transplant, fertilize, irrigate, control pests, and prune landscape plants.
HORT 107	CLO 4	Establish various plant cultural programs in landscape maintenance.
HORT 108	CLO 1	Calculate water flows, requirements and watering needs.
HORT 108	CLO 2	Install landscape and turf irrigation systems.
HORT 108	CLO 3	Identify and solve irrigation and drainage problems.
HORT 108	CLO 4	Install and operate irrigation controllers.
HORT 109	CLO 1	Select and employ drafting tools appropriately.
HORT 109	CLO 2	Implement basic design principles in landscaping.
HORT 109	CLO 3	Sketch and illustrate basic landscape materials and features.
HORT 109	CLO 4	Design and layout a residential landscape.
HORT 109	CLO 5	Analyze and place plant materials by environmental requirements.



HORT 110	CLO 1	Choose and relate specific training skills to individual job and career goals.
HORT 110	CLO 2	Identify manual and mental skills needed to achieve career goals.
HORT 110	CLO 3	Formulate a system of records related to the student's specific area of work experience.
HORT 111	CLO 1	Analyze and interpret design requirements.
HORT 111	CLO 2	Identify, organize and develop the design concept.
HORT 111	CLO 3	Analyze and prepare a bid for the design requirements.
HORT 111	CLO 4	Develop and draw plans, support drawings and estimates using a computer assisted landscape drafting program and commands.
HORT 112	CLO 1	Differentiate types of landscapes.
HORT 112	CLO 2	Demonstrate the ability to implement a landscape plan.
HORT 112	CLO 3	Analyze and solve various construction problems.
HORT 112	CLO 4	Install basic landscape features for instructor evaluation.
HORT 113	CLO 1	Prepare and use flowers in six arrangement styles.
HORT 113	CLO 2	Analyze and apply the principles of harmony, balance, proportion, line, color, texture, rhythm and focal points.
HORT 113	CLO 3	Stemwrap and design a simple corsage.
HORT 113	CLO 4	Plant and care for indoor decorative planters.
HORT 113	CLO 5	Gift wrap blooming and potted plants.
HORT 114	CLO 1	Create an advanced floral arrangement for a special occasion or holiday.
HORT 114	CLO 2	Interpret and design a wedding, hospital or funeral piece.
HORT 114	CLO 3	Analyze and price a special occasion floral piece.
HORT 114	CLO 4	Select appropriate care and maintenance techniques for cut flowers and dry materials used in floral piece.
HORT 114	CLO 5	Prepare an order for cut flowers and materials from commercial sources.



HORT 114	CLO 6	Design, use color and construct a floral piece using an original interpretation.
HORT 115	CLO 1	Design and layout an efficiently organized flower shop.
HORT 115	CLO 2	Design and arrange window displays.
HORT 115	CLO 3	Evaluate and set up a record keeping system of financial and non-financial records.
HORT 115	CLO 4	Analyze and determine product unit costs, mark-up and profit.
HORT 115	CLO 5	Evaluate and interpret personnel interrelationships for job assignments.
HORT 115	CLO 6	Process and formulate orders from vendors.
HORT 115	CLO 7	Inventory and establish factors of a recordkeeping system.
OHORT 116	CLO 1	Identify and manage soil fertility, tillage and cultivation.
OHORT 116	CLO 2	Perform basic cultural operations of water, feeding, pest control, planning, planting and using cover crops.
OHORT 116	CLO 3	Demonstrate making and utilizing compost.
OHORT 116	CLO 4	Analyze soil biology and ecology.
OHORT 117	CLO 1	Identify plant pathogens.
OHORT 117	CLO 2	Manage soil analysis, components, pH, acidity and alkalinity.
OHORT 117	CLO 3	Use basic chemistry concepts.
OHORT 117	CLO 4	Demonstrate how to assess soil biological activity.
OHORT 118	CLO 1	Describe significant social consequences of the development of U.S. Agriculture.
OHORT 118	CLO 2	Demonstrate her knowledge of historical context for current issues in the U.G. Agrofood System.
OHORT 118	CLO 3	Identify the most common agricultural practices employed in conventional production, and concerns that have arisen as a result of their use over the last century.