

**HORTICULTURE**

**HORT 1A Basic Horticulture**

Introduces plant science including structure, growth process, physiology, soils, propagation, history, and plant adaptations for survival in a Mediterranean climate. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU;UC C-ID AG-PS 104

Section	Days	Times	Units	Instructor	Room
98726 &	T W	6:00PM-9:05PM 1:00PM-4:05PM	4.00	P.Shaw P.Shaw	HORT5005 HORT5110

**HORT 2 Soil Science and Management**

Examines physical, chemical and biological composition of soils, local soil formations, methods of soil sampling and testing, fertilizer and liming techniques, production and use of organic and chemical fertilizers, green manures and relationship between soils and human culture. Recommended Preparation: Eligibility for Math 154.

Transfer Credit: Transfers to CSU;UC C-ID AG-PS128L

Section	Days	Times	Units	Instructor	Room
98727 &	T T	9:30AM-12:35PM 1:00PM-4:05PM	4.00	P.Shaw P.Shaw	HORT5010 HORT5010

**HORT 52 Greenhouse Design and Operation**

Presents the design and management of commercial and residential greenhouses including site analysis, greenhouse styles, glazing, circulation, cooling, venting, heating systems, and control systems. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98728	W	6:00PM-9:05PM	3.00	P.Shaw	HORT5005

**HORT 57 Sustainable Landscape Construction**

Encompasses sustainable landscaping theories and practices including installing and maintaining ecologically sound landscapes through renovating existing gardens with appropriate hardscapes, plant selection, water conservation and irrigation. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98729 &	TH TH	9:30AM-11:50AM 12:30PM-3:40PM	3.00	.Staff .Staff	HORT5010 HORT5010

**HORT 62 Fall Plant Materials and Design**

Covers the identification of the common plants used in local landscapes including native and introduced trees, shrubs, groundcovers, and vines. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU C-ID AG-EH 108L

Section	Days	Times	Units	Instructor	Room
98730 &	W W	9:30AM-11:35AM 12:30PM-3:35PM	3.00	N.Hughes N.Hughes	HORT5010 HORT5010

**HORT 65 Landscape C.A.D.D. and Surveying**

Introduces graphic techniques of landscape design using various media to create base plans, plan views, and elevation drawings. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98731 &	M M	8:15AM-9:05AM 9:25AM-12:30PM	2.00	M.Arnone M.Arnone	HORT5010/801 HORT5010/801

First lecture meets in Room HORT 5010 on 8/28.

**HORT 70 Organic Agriculture**

Introduces organic agriculture with an emphasis on organic food production and a practical understanding of the philosophy, principles, and practices of organic crops. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1(101850) &	F F	9:30AM-12:35PM 1:30PM-4:35PM	4.00	S.Swezey S.Swezey	HORT5010 HORT5010

**HORT 100A Plant Propagation**

Presents techniques in plant propagation including seed collection, handling and sowing as well as producing plants from cuttings, layering, leaf pieces, division, and grafting. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
98721	M	1:00PM-4:05PM	1.00	N.Hughes	HORT5010

**HORT 125 Hydroponic and Substrate Production**

Introduces concepts and practices of growing crops hydroponically and with substrates including set up, nutrient solution preparation, lighting needs, and pest control. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
98722 &	F F	12:35PM-2:40PM 9:00AM-12:05PM	3.00	P.Shaw P.Shaw	HORT5001 HORT5001

**HORT 164 California Native Plants & Plant Communities**

Covers the identification of native plants and their best uses in the developed landscape, and includes discussion of the diverse native plant communities of California. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
98723 &	T T	9:00AM-9:50AM 10:30AM-1:35PM	2.00	N.Hughes N.Hughes	HORT5001 HORT5001

**HORT 176 Permaculture Design**

Introduces principles and practices of permaculture design through collaboration on real-world projects with a focus towards repairing, restoring, and regenerating human ecosystems. Recommended Preparation: Eligibility for MATH 154.

Section	Days	Times	Units	Instructor	Room
98725 &	S S	9:30AM-11:35AM 12:45PM-3:50PM	3.00	K.Foster K.Foster	HORT5110 HORT5110