HORT 12 Course Outline as of Fall 2016

CATALOG INFORMATION

Dept and Nbr: HORT 12 Title: PLNT MATERIALS: WIN/SPR
Full Title: Plant Materials: Winter/Spring
Last Reviewed: 12/12/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	8	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	HORT 55

Catalog Description:
Identification, growth habits, culture and ornamental use of landscape and indoor plants adapted to California climates. Includes an introduction to plant taxonomic system and botanical nomenclature. Emphasis on plants listed in the current California Association of Nurserymen (CAN) and Associated Landscape Contractors of America (ALCA) Certification Tests Plant Lists. Presentation of those plants best observed and studied in the winter and spring of the year through field lectures on SRJC grounds and at other locations.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Schedule of Classes Information:
Description: Identification, growth habits, culture and ornamental use of landscape and indoor plants adapted to California climates. Includes an introduction to plant taxonomic system and botanical nomenclature. Emphasis on plants listed in the current California Association of

Nurserymen (CAN) and Associated Landscape Contractors of America (ALCA) Certification Tests Plant Lists. Presentation of those plants best observed and studied in the winter and spring of the year through field lectures on SRJC grounds and at other locations. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 1A or equivalent
Limits on Enrollment:
Transfer Credit: CSU;UC.
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Transferable	Effective:	Spring 1982	Inactive:
UC Transfer:	Transferable	Effective:	Fall 2006	Inactive:

CID:
CID Descriptor: AG - EH 112L Plant Materials and Usage II
SRJC Equivalent Course(s): HORT12 OR HORT8

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon successful completion of this course students will be able to:
1. Demonstrate correct usage of botanical nomenclature.
2. Correctly pronounce botanical and common plant names.
3. Classify plants based on the binomial method of plant nomenclature.
4. Identify a range of native and exotic plants by leaf, bark, flower, fruit, and growth habit.
5. Evaluate the growth habits and soil and water requirements of different plants.
6. Select plants according to desired function, growth habits, climate, exposure, and maintenance requirements.
7. Determine and recommend to a client cultural practice for plants in the landscape that will promote plant health and endurance.
8. Assess plants for landscaping purposes to provide desired foliage, flower, and form characteristics and make recommendations to clients.
9. Evaluate plants based on their suitability for water efficient landscapes.
10. Use plant keys to identify specimens.
11. Demonstrate proper plant materials collection and preservation methods.

Topics and Scope:

I. Introduction to plant taxonomic system and botanical nomenclature
   A. Family, genus, and species
   B. Classification below species level

1. cultivars
2. varieties
3. subspecies

C. Interspecies and intergeneric hybrids
D. Conventions for writing botanical names

II. External structures used in identification of plants
A. Leaves
B. Buds
C. Stem
D. Bark
E. Flowers
F. Fruit

III. Identification by sight memory of 100-125 plants best observed in the winter and spring (from the CAN and ACLA plant lists); with collection and preservation of specimens;
A. Indoor plants
B. Annuals
C. Perennials
D. Vines
E. Ground covers
F. Trees

IV. Growth habits and requirements
A. Origin and climatic range
B. Form of growth
C. Rate of growth
D. Ultimate growth height and spread
E. Leaf structure
F. Flower color and season
G. Fruit type
H. Exposure
1. sun
2. shade
3. half sun/shade

I. Soil and water requirements of the plants studied
J. Pruning to fit the landscape requirements
K. Landscape use
L. Significant pests and diseases

Assignment:

Representative assignments:
1. Written report (5 pages) and oral presentation on selected plant or plant group.
2. Conduct research on plant requirements and compile information.
3. Field Work: Using plant ID key, identify and collect plant specimens in the field.
4. Field Work: Properly prepare and mount specimens and label them with appropriate identification labels.
5. Quizzes (7), midterm, and final exam covering plant identification and cultural requirements.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Report on a selected plant or plant group.	Writing 10 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Field Work	Problem solving 15 - 50%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Completion	Exams 20 - 40%

Other: Includes any assessment tools that do not logically fit into the above categories.

Oral report and participation.	Other Category 15 - 30%

Representative Textbooks and Materials:
Sunset Western Garden Book, by Editors of Sunset Magazine, Oxmoor House, Inc., Publishers: 2012.