

**HORT 12 Course Outline as of Summer 2011****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. Emphasis on plants listed in the current California Association of Nurseries and Garden Centers (CANGC) and Professional Landcare Network (PLANET) Certification Tests Plant Lists. Presentation of those plants best observed and studied in the winter/spring of the year through field lectures on SRJC grounds and at other locations.

**Prerequisites/Corequisites:****Recommended Preparation:**

Course Completion of HORT 8 and Course Eligibility for ENGL 1A

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Identification, growth habits, culture, and ornamental use of landscape and indoor plants adapted to California climates. Emphasis on plants listed in the current California Association of Nurseries and Garden Centers (CANGC) and Professional Landcare Network (PLANET) Certification Tests Plant Lists. Presentation of those plants best observed and studied

in the winter/spring of the year through field lectures on SRJC grounds and at other locations.  
(Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Course Completion of HORT 8 and Course Eligibility for ENGL 1A

Limits on Enrollment:

Transfer Credit: CSU;UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b> Transferable	Effective:	Spring 1982	Inactive:
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<b>UC Transfer:</b> Transferable	Effective:	Fall 2006	Inactive:
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#### **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. Classify plants based on the binomial method of plant nomenclature.
2. Identify a range of native and exotic plants by leaf, bark, flower, fruit, and growth habit.
3. Describe the growth habits and soil and water requirements of different plants.
4. Assess and select plants according to desired function, growth habits, climate, exposure, and maintenance requirements.
5. Assess and recommend cultural practices for plants in the landscape.
6. Assess and recommend plants for landscaping purposes to provide desired foliage, flower, and form characteristics.
7. Evaluate and recommend plants suitable for water efficient landscapes.
8. Use plant keys to identify specimens.
9. Demonstrate proper plant materials collection and preservation methods.

#### **Topics and Scope:**

1. External structures used in identification of plants
  - a. Leaves
  - b. Buds
  - c. Stem
  - d. Bark
  - e. Flowers
  - f. Fruit

2. Classification of plants based on the binomial method of plant nomenclature
  - a. Family
  - b. Genus
  - c. Species and cultivars
3. Identification by sight memory of 200-250 plants best observed in the winter/spring (from the CAN and ALCA plant lists):
  - a. Indoor plants
  - b. Annuals
  - c. Perennials
  - d. Vines
  - e. Ground covers
  - f. Trees
4. 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
    - I. sun
    - II. shade
    - III. 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 (2-3 pages) and oral presentation on selected plant or plant group.
2. Construction of plant care/information signs and labels for SRJC nursery.
3. Participation in horticulture program plant sale activity.
4. Collect and label field samples of 20 new plants per week.
5. Memorize botanical names for 20 new plants per week.
6. Sight identify specimens of 20 new plants per week.
7. Write and correctly spell botanical and common names for 20 new plants per week.
8. Quizzes (7), midterm, and final exam covering plant identification and cultural requirements.
9. Reading: 15 - 20 pages per week.

**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.

Plant report.
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Writing 10 - 20%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Sight identification of specimens

Problem solving  
40 - 65%

**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.

Quizzes, mid-term, final exam; multiple choice, true/false, completion

Exams  
10 - 30%

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

Oral presentation, plant sale participation.

Other Category  
15 - 20%

**Representative Textbooks and Materials:**

Ornamental Plants: Their Care, Use, Propagation and Identification. Wait, D. Dwight. 1994. (Classic)

Sunset Western Garden Book: Sunset Publishing Group, 2001. (Classic)

American Horticulture Society, A-Z Encyclopedia of Gardin Plants. NY: DK Publishing, 1996. (Classic)

Manual of Woody Landscape Plants. Dirr, M.A., Champagne, IL: Stipes Publishing Co., 1998. (Classic)

Landscape Plants for California Gardens, Perry, Robert C. Land Design Publishing, 2005.