HORT 110 Course Outline as of Fall 2019

CATALOG INFORMATION

Dept and Nbr: HORT 110 Title: TREES FOR NORTHERN CAL
Full Title: Trees for Northern California
Last Reviewed: 12/14/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	1.50	17.5	Lecture Scheduled	26.25
Minimum	1.50	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	1.50		Contact Total	26.25
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 52.50 Total Student Learning Hours: 78.75

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:	AG 297.40

Catalog Description:
This course will introduce and identify trees that are used in Sonoma County and are well suited for sustainable landscape use in local climatic zones. Course will stress identification of the trees, their particular environmental requirements, and their landscape usage and potential. Trees that are compatible with sustainable landscape practices will be highlighted, including low water-use and reduced needs for pest management and specialty fertilizer application.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: This course will introduce and identify trees that are used in Sonoma County and are well suited for sustainable landscape use in local climatic zones. Course will stress identification of the trees, their particular environmental requirements, and their landscape usage and potential. Trees that are compatible with sustainable landscape practices will be highlighted,

including low water-use and reduced needs for pest management and specialty fertilizer application. (Grade or P/NP)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit:
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:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Outcomes and Objectives:
Upon successful completion of this course students will be able to:
1. Identify a range of trees by leaf, bark, flower, fruit, and growth habit.
2. Describe the growth habits and soil and water requirements of different trees.
3. Assess and select trees according to desired function, growth habits, climate, exposure, and maintenance requirements.
4. Assess and recommend sustainable cultural practices for trees in the landscape.
5. Assess and recommend trees for landscaping purposes to provide desired foliage, flower, and form characteristics.
6. Evaluate and recommend trees suitable for water efficient landscapes.
7. Use plant keys or other resources, including Internet, to identify specimens.

Topics and Scope:

I. External structures used in identification of trees
    A. Leaves
    B. Branch and bark shapes
    C. Structures
II. Identification by sight memory of 50 - 70 trees
III. 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

IV. Successful landscape use
A. Function
B. Aesthetic value

V. Sustainable tree usage
A. Water-efficient planting
B. Pest and disease resistance
C California native and Mediterranean climate adapted trees

Assignment:

1. 3-5 page written report on selected tree.
2. Field work: collect and label field samples of 10-15 new trees per week.
3. Memorize botanical names for 10-15 new trees per week.
4. Sight identify specimens of 10-15 new trees per week.
5. Write and correctly spell botanical and common names for 10-15 new trees per week.
6. Final specimen identification exam.

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	Writing 10 - 20%

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

None	Problem solving 0 - 0%

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

Field work	Skill Demonstrations 10 - 20%

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

Specimen identification by botanical name: Multiple choice, True/false, Matching items, Completion	Exams 50 - 70%

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

Oral presentation, attendance and participation.	Other Category 0 - 10%

Representative Textbooks and Materials:
Sunset Western Garden Book. Menlo Park, CA: Sunset Publishing Group, 2012.