

Chemeketa Community College
4000 Lancaster Drive NE
PO Box 14007
Salem, Oregon 97309

Course Outline

Course Identification FT141B **Credits** 3 **Date** 12/05

Course Title: Oregon Tree and Shrub Identification 2

Total Instructional Hours, for Course, per Term:

<u>22</u>	Lecture Hours	=	<u>2</u>	Credit(s)
<u>33</u>	Laboratory Hours	=	<u>1</u>	Credit(s)

Prerequisite Course(s):

None

Required Text(s):

Bever, Keniston, and Jensen, *Manual of Oregon Trees and Shrubs*
Pojar, MacKinnon, *Plants of the Pacific Northwest Coast*

Recommended Text(s):

Little, *The Audubon Society Field Guide to North American Trees: Western Region*

Course Description:

Examines hardwood trees and deciduous shrub and tree species indigenous to Oregon using a dichotomous key and weekly field trips to identify species and learn taxonomic names.

Performance Based Learner Outcomes:

Upon successful completion of the course, students should be able to:

1. Identify genus and species of trees and shrubs by examination and analysis of foliage, flower, fruit, crown shape and bark.
2. Identify and label each species by common and taxonomic name.
3. Use a dichotomous key to identify species in the field.

Course Content Outline:

- I. Reproductive Ecology of Broadleaved Trees and Shrubs
 - A. Sexual
 1. Monoecious, dioecious
 - B. Vegetative
 1. Rhizomes, layering
 2. Basal sprouting, root suckering, shoot separation

Course Outline

FT141B

Page 2

- II. Taxonomy
 - A. Family
 - B. Genus
 - C. Species
 - D. Binomial nomenclature
 - 1. Common versus scientific name
- III. Angiosperm Characteristics
 - A. Leaves
 - 1. Shapes, venation, apex, base, margin
 - B. Flowers
 - C. Fruits
 - 1. Fleshy
 - a. Berry, drupe, aggregate, pome
 - 2. Dry
 - a. Dehiscent
 - (1) Legume, follicle, capsule
 - b. Indehiscent
 - (1) Nut, nutlet samara, achene
 - D. Twigs and buds