

FOR 241A : FIELD DENDROLOGY

Transcript title

Field Dendrology

Credits

3

Grade mode

Standard letter grades

Contact hours total

70

Lecture hours

10

Lab hours

60

Description

Identification, classification, and distribution of common trees and shrubs found in the Western United States and major tree species of North America. The course emphasizes botanical nomenclature and proper identification using plant keys and field characteristics.

Learning outcomes

1. Correctly identify by scientific name between 85-100 species of trees and shrubs common to the Pacific Northwest (including leaves, twigs, bark, fruit and other common morphological characteristics).
2. Accurately key out species common to the Pacific Northwest using a dichotomous key.
3. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
4. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner.
5. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Content outline

- How to key species out
- What to look for when ID-ing plants
- Plant terminology
- Herbarium instructions
- Plant collections
- Urban/ornamental trees
- Plant family characteristics
- Genus *Abies*

Required materials

Requires textbook and special gear, see syllabus for details.