

Print Date: 8/7/14

Course Objectives/Course Outline
Spokane Community College

Course Title: Forest Measurements

Prefix and Course Number: NATRS 215

Course Learning Outcomes:

By the end of this course, a student should be able to:

- accurately measure tree diameters, bark thickness and tree heights
- determine volumes of standing trees
- use basic forestry tools

Course Outline:

Section I: Measuring Forest Resources

- I. Measuring Diameters and Bark Thickness at DBH, & calculating % bark, % wood and DIB at 17.5 feet.
- II. Measuring Total Tree Height, Commercial Tree height, #Logs and Crown Ratios (% live crown)
- III. Measuring Age, Growth, Site Index, and Crown Class
- IV. Measuring Volumes of Standing Trees
- V. Cruises and Inventories
 - A. Plot Spacing
 - B. Variable Plot Measurements

Section II: Measuring Forest Products

- VI: Measuring Volumes of Wood Products
 - A. Volume
 - B. Log Scaling
 - C. Other Products and Methods

Section III: Measuring Defect

- VII: Defect of Standing Trees