

2025 Variable Probability Sampling Course

Richardson Hall, Oregon State University, Corvallis, OR

March 24th – 28th

Monday

1:00 pm Registration at Richardson Hall

1:30 pm

- Introduction of course
- History of Variable Plot Cruising
- Basic principles and theory

3:00 pm Afternoon Break

3:15 pm

- Determination of Basal Area
- BAF factors
- Tree Counts
- Tree Measurements

Tuesday

7:30 am Coffee and Individual Questions

8:00 am

- Statistical Analysis
- Means (Average)
- Standard Deviation
- Coefficient of Variation
- Standard Error

9:30 am Morning Break

9:45 am

- Sampling Techniques
- Random
- Systematic
- Calculation of BAF
- Plot Radius Factor
- Cruise Design
- Volume Calculations/ grade/defect

11:45 am Box Lunch, Travel to McDonald Forest

1:00-5:00 pm

- Field Problem – VP
- Field Problem Calculations

Wednesday

7:30 am Coffee and Individual Questions

8:00 am

- Volume Calculations
- Log Grades & defects

9:30 am Morning Break

9:45 am

- Statistical Issues
- Stand & Stock Tables
- Analysis of field problem

12:00 pm Group Lunch

1:00 pm

- Timber Cruising Guide
- Balancing TC & VBAR
- Software for Balancing
- Advantages of VP sampling

- Special Session on participant questions

3:00pm Afternoon Break

3:15pm

- 3P Computer Demo
- 3P Sampling, Crew Chiefs and handhelds

6:00 pm Group Dinner

Thursday

7:30 am Coffee and Individual Questions

8:00 am

- Intro to 3P Sampling
- Demo of 3P Process

9:30 am Morning Break

9:45 am

- Guest Presentations 3P (USFS)
- Case Studies
- 3P, Fall and Buck (BLM)

11:45 am Group Lunch, Travel to McDonald Forest

1:00-5:00 pm Field Problem – 3P

Friday

7:30 am Coffee and Individual Questions

8:00 am

- 3P Volume Calculations
- Statistical Analysis
- 3P field problem results

- Sample Size issues in 3P
- Check cruising and adjustment
- Advantages of 3P sampling
- Wrap Up