

About the Instructor

Bronson Bullock is assistant professor of forest biometrics and timber management in the Department of Forestry and Environmental Resources at North Carolina State University. Bronson has been at NCSU for six years and teaches Forest System Mapping and Mensuration I, Forest Systems Mapping & Mensuration II at the forestry summer camp, and Forest Measurements, Modeling, and Inventory in the undergraduate curriculum; he also teaches graduate level courses on Advanced Forest Modeling. Bronson has a B.S. in Natural Resources Management – Forestry from Rutgers University, M.S. in Forest Biometrics, M.S. in Statistics, and Ph.D. in Forest Biometrics from Virginia Tech. His research interests focus around traditional and upcoming techniques in forest biometrics (volume and taper equations, weight equations, growth and yield modeling, spatial statistical applications to forest inventory and modeling, etc.)

Registration Fee Schedule

The registration fee is \$145 for one day or \$265 for both days. This includes instruction, course materials, lunch, refreshment breaks, and field trip transportation. Registration deadline is December 5th. In order to enhance the experience of all participants, enrollment in the workshop is limited to the first 30 registrants.

You may pay by check made out the “NC State University” or using Mastercard or Visa. Fax or mail to NCSU-FEOP, Campus Box 8008, Raleigh, NC 27695-8008, fax number 919-515-6883. If you would like to order your registration and make payment on-line using Mastercard or Visa, you may do so at the FEOP Registration Store: www.ncsu-feop.org

Cancellations

Cancellations made by December 5th will receive a refund less a \$25 service charge. Cancellations made after December 5th are not eligible for a refund and sending a substitution attendee is recommended in this situation.

Equipment

Attendees should bring a calculator. For Thursday’s field trip we will utilize hard hats, BAF 10 prism, loggers tape, D-tape, compass, and clinometer. Instructors will be bringing field measurement instruments if you don’t have your own. Laptops will be provided, but students wishing to bring their own laptops may do so. Be sure to wear appropriate field attire, and bring rain gear.

Workshop Agenda and Topics

Detailed agenda at: www.ncsu.edu/feop/measurements/index.html

Thursday, December 13

Section I: Introduction to Forest Inventory and Sampling

- 7:30 Registration
- 8:00 Introduction: Workshop Overview
- 8:15 Statistics Review
- 9:30 Log Volume and Taper
- 10:00 Break
- 10:15 Log Rules and Measuring Merchantable Timber
- 10:45 Forest Inventory
- 11:15 Forest Sampling with Fixed Radius Plots
- 12:00 Lunch
- 1:00 Forest Sampling with Variable Radius Plots
- 2:00 Break
- 2:15 Forest Sampling continued
- 3:00 Field Exercises at Schenck Forest (transportation provided)

Friday, December 14

Section 2: Advanced Forest Inventory and Sampling

- 7:30 Registration
- 8:00 Introduction: Workshop Overview
- 8:15 Forest Inventory Review
- 9:30 Forest Inventory and Sampling Statistics
- 10:00 Break
- 10:15 Stratified Random Sampling
- 11:15 Double Sampling with Regression
- 12:00 Lunch
- 1:00 Big BAF Sampling
- 1:45 Variable Radius Plot Sampling
- 2:30 Sampling Design Issues
- 3:00 Break
- 3:15 Cluster Sampling
- 3:45 Two-Stage Sampling
- 4:15 3P Sampling (if time allows)
- 4:45 Course evaluations
- 5:00 Adjourn

Registration Form

Accurate Forest Inventory

Registration Deadline: December 5, 2007

On-line using Mastercard or Visa: www.ncsu-feop.org

Name _____
 Organization _____
 Address _____
 City _____ State _____ Zip _____
 Daytime Phone _____
 Fax _____
 E-Mail _____
 Types of Continuing Education Credits you collect: _____
 Vegetarian lunch preferred? Yes No

-----Choose your registration level-----

- _____ \$265.00 Full registration fee covers both days
- _____ \$145.00 Session 1 ONLY on December 13, 2007
- _____ \$145.00 Session 2 ONLY on December 14, 2007

-----Payment Methods-----

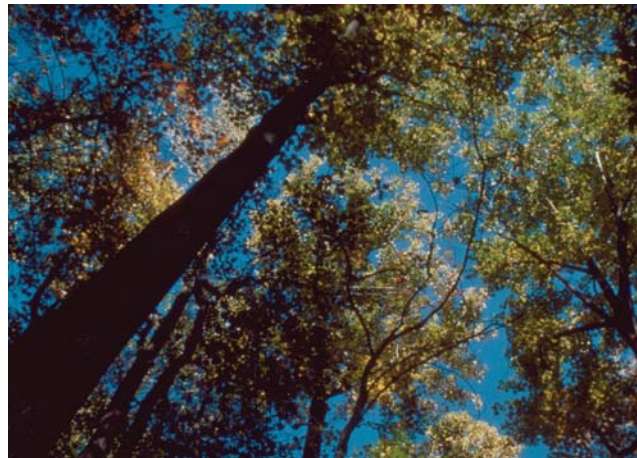
_____ Check payable to NC State University.
 _____ Credit Card (*MasterCard or Visa ONLY*)
 Card #: _____ - _____ - _____ - _____
 Expiration Date: _____
 Name of Cardholder: _____
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NC State University
Forestry and Environmental Outreach Program
Campus Box 8008
Raleigh, NC 27695-8008
Fax: 919-515-6883

Accurate Forest Inventory

*Basics of practical and efficient
timber cruising*

**A Great Review for the
NC Registered Foresters' Exam!
Valuable Information for Appraisers!**



**December 13-14, 2007
Raleigh, NC**

Sponsored by
Forestry and Environmental Outreach Program
Department of Forestry and Environmental Resources,
North Carolina State University

www.ncsu.edu/feop/measurements/index.html

About the Workshop

This workshop will give timber cruisers, forestland managers, and appraisers the information they need to design accurate and efficient forest inventories. The instructor will explain the major methods of inventory cruising, including prism, fixed plots, and strips. Participants will learn to develop statistically reliable inventories and to make informed conclusions based on cruise results. The field exercise will provide opportunity for hands-on comparison of the various inventory methods. Emphasis will be placed on practical considerations with numerous applications and examples.

This course will also be a comprehensive review for those planning to take the North Carolina registered foresters' exam. Registration includes a comprehensive notebook with material covered in the course. Familiarity with forestry terms and concepts is assumed.

The course will be broken up in to two sections so that participants can choose which portions meet their goals. Section 1 will be an introduction to forest inventory and sampling course, while Section 2 will cover more advanced topics in forest inventory and sampling. If you do not have much experience with forest inventory techniques, then it is recommended that you sign up for both sections.

Who Should Attend

This course will be valuable to forestry consultants, engineers, landscape architects, appraisers, surveyors, and regulatory professionals who are responsible for collecting and analyzing forest inventory information.

Accreditation

This workshop offers Category 1 CFE from Society of American Foresters: 7.5 hours - Dec. 13, and 7.0 hours - Dec. 14.

Location and Lodging

The workshop will be held at the Hampton Inn - RBC Center in Raleigh, NC. A map with directions will be included with your registration confirmation letter. Lodging is not included in the registration fee, however, rooms have been blocked at the Hampton Inn. To make a reservation call 919-233-1798 before December 1st and mention that you are with the group "NC State Forestry." Transportation provided to and from the nearby field site on Thursday, December 13.