

# The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

## Logging Cost Analysis

June 7-8, 2017

Instructors: Dr. Joe Conrad and Dr. Chad Bolding  
Alabama Forestry Commission, First Floor Auditorium,  
513 Madison Avenue, Montgomery Alabama, 36104



**WARNELL**  
SCHOOL OF FORESTRY AND NATURAL RESOURCES  
THE UNIVERSITY OF GEORGIA

### About the Event

This course will cover both principles and applications of logging cost analysis techniques from the perspective of wood dealers, procurement foresters, and independent logging contractors. Course content will focus on methods for evaluating historic production and cost records within the context of the evolving wood supply chain. Spreadsheet models will be reviewed and provided to participants for hands-on training involving modifications necessary to assess and simulate a range of harvesting systems, techniques, and equipment mix variations. Upon completion of this course, participants should be well-equipped to better evaluate logging costs using a range of techniques.

### Location

Alabama Forestry Commission, First Floor Auditorium, 513 Madison Avenue, Montgomery Alabama, 36104

### Who Should Attend?

Foresters, wood buyers, and logging contractors involved in wood procurement, sale layout, and timber harvesting. Forest engineers, forestry equipment representatives, and others who service the timber harvesting industry would benefit from the course content.

### Equipment Needs

All participants must bring a laptop computer with Microsoft Excel version 2007 or later. Please also bring 25-foot extension cord for powering your laptop. Files used for the class will be transferred from a flash drive or provided on a CD.

### Instructors

**Dr. Joe Conrad** is an assistant professor of forest operations in the Center for Forest Business at the University of Georgia Warnell School of Forestry & Natural Resources. Joe teaches undergraduate and on topics such as graduate courses timber harvesting and field measurements. He conducts research on timber harvesting productivity and cost, logging capacity, timber procurement, and wood supply chain efficiency. He has experience analyzing logging costs in both the South and the Midwest. Joe earned a B.S. in forestry from The University of the South and an M.F. and Ph.D. in forest operations from Virginia Tech. Joe is a member of the Council on Forest Engineering, Society of American Foresters, and the Georgia Forestry Association.

**Dr. Chad Bolding** is an associate professor of forest operations/engineering in the Department of Forest Resources and Environmental Conservation at Virginia Tech in Blacksburg, VA. Chad teaches courses in forest harvesting, timber procurement, and harvesting systems evaluation. He has a B.S. and M.S. in forestry from Auburn University, and an M.F in silviculture and Ph.D. in forest engineering from Oregon State University.

Continued on Page 4

# The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

## Logging Cost Analysis

June 7-8, 2017

Instructors: Dr. Joe Conrad and Dr. Chad Bolding  
Alabama Forestry Commission, First Floor Auditorium,  
513 Madison Avenue, Montgomery Alabama, 36104



**WARNELL**  
SCHOOL OF FORESTRY AND NATURAL RESOURCES  
THE UNIVERSITY OF GEORGIA

### Registration Fee

The course fee is \$395.00, which includes lunch, refreshment breaks, and instructional materials. There is a \$30.00 discount for fees paid and postmarked by May 17, 2017.

**You can register by hard copy (see next page) or online at:**

[http://conted.warnell.uga.edu/courses/lca\\_2017](http://conted.warnell.uga.edu/courses/lca_2017)

### Continuing Education Credits

- 10.0 SAF Continuing Forestry Education (CFE) Hours – Category 1 (Applied for)
- 10.0 MTH Continuing Logging Education (CLE) Hours – Business Management (Applied for)

**Full Attendance is Mandatory to Receive Credit.**

### Course Itinerary

Wednesday, June 7, 2017

Time	Event
8:00 AM	Registration
8:15	Introduction
8:30	Estimating Production
10:00	Refreshment Break
10:30	Using Historical Production Data
Noon	Lunch (provided)
1:00 PM	Estimating Costs
2:30	Refreshment Break
3:00	Using Historical Cost Data
4:00	Estimating System Performance
5:00	Adjourn

Thursday, June 8, 2017

Time	Event
8:00 AM	Operator Performance, Rating, and Wage
8:45	Cash Flow Analysis
9:30	Refreshment Break
10:00	Evaluating Logging Systems
11:00	Practical Applications
12:00 PM	Adjourn

# The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

## Logging Cost Analysis

June 7-8, 2017

Instructors: Dr. Joe Conrad and Dr. Chad Bolding

Alabama Forestry Commission, First Floor Auditorium,

513 Madison Avenue, Montgomery Alabama, 36104



**WARNELL**  
SCHOOL OF FORESTRY AND NATURAL RESOURCES  
THE UNIVERSITY OF GEORGIA

### Registration Form

Name - please print \_\_\_\_\_

Preferred name for badge \_\_\_\_\_

Birth-date (for credit hour records) \_\_\_\_\_

☐ Business mailing address or ☐ Home address (please check one)

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

County, if Georgia \_\_\_\_\_

Home phone \_\_\_\_\_

Work phone \_\_\_\_\_

Fax \_\_\_\_\_

Email address ☐ Please send me e-mails about Warnell Continuing Education programs.

position \_\_\_\_\_

organization/employer \_\_\_\_\_

*By registering for this event I agree to comply with all event and lodging cancellation policies.*

### **Logging Cost Analysis**

June 7-8, 2017

☐ Early registration by May 17, 2017.....\$365.00

☐ Regular registration after May 17, 2017.....\$395.00

**A check must be included to guarantee your place in the course. Make check payable to Warnell School of Forestry and Natural Resources.**

Enclosed is check # \_\_\_\_\_

Mail payment to :

Attn: Anuj Sinha

Warnell School of Forestry & Natural Resources

The University of Georgia

Athens, Georgia 30602

### **Cancellations**

Notify Ingvar Elle at 706-583-0566 by May 24, 2017 if you need to cancel.

### **Special Needs**

If you require special services or dietary considerations, contact Ingvar Elle at 706-583-0566 or [ingvar@uga.edu](mailto:ingvar@uga.edu) by May 24, 2017.

### **Hotel Accommodations**

A block of rooms has been set aside for course attendees at the "Hampton Inn by Hilton Downtown Montgomery" for the nights of June 6 and 7. The hotel address is 100 Commerce Street, Montgomery, Alabama. Rooms are \$119.00 per night plus 14% percent sales tax. There is also a \$12.00 per day parking charge. Use the code "LCA" for making reservations. Please make reservations early (334-265-1010) since the number of rooms is limited and any remaining rooms drop out on May 15, 2017.

# The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

---

## Logging Cost Analysis

June 7-8, 2017

Instructors: Dr. Joe Conrad and Dr. Chad Bolding  
Alabama Forestry Commission, First Floor Auditorium,  
513 Madison Avenue, Montgomery Alabama, 36104



**WARNELL**  
SCHOOL OF FORESTRY AND NATURAL RESOURCES  
THE UNIVERSITY OF GEORGIA

### Instructors (Continued from page 1)

Chad conducts research in the areas of supply chain management, harvesting system feasibility and logistics, sustainable biomass utilization, and forestry best management practices. He is active in professional organizations such as the Society of American Foresters, the Council on Forest Engineering, the Forest Resources Association, and is an adjunct member of the faculties at Clemson University and the University of Georgia.

**Dr. Mathew Smidt** is a professor and extension specialist in the School of Forestry and Wildlife Sciences at Auburn University. Mathew is the primary instructor and curriculum developer for the the Professional Logging Manager Training Program in Alabama. He has completed logging industry research projects related to bioenergy, forestry best management practices, logging cost, logging safety and health, logger training and transportation. Mathew has an M.F. from Duke University and a Ph.D. from the University of Minnesota. He holds joint appointments in the Departments of Biosystems Engineering and Industrial and Systems Engineering at Auburn University.