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
Harbison Environmental Education Center
5600 Broad River Road, Columbia, SC 29210
803-896-8890

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. Files used for the class will be transferred from a flash drive or provided on a CD.

Instructors
W. Dale Greene is a professor of forest operations in the Center for Forest Business at the University of Georgia Warnell School of Forestry & Natural Resources. He teaches undergraduate and graduate courses and conducts research about the performance of harvesting equipment and methods. Dale has more than 25 years of experience working with loggers and conducting research in the South. Dale is active with the Council on Forest Engineering and the Forest Resources Association, Inc. and is a member of the Georgia State Board of Registration for Foresters.

Chad Bolding is an assistant 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. 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.
The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

Registration Fee
The fee for this course is $400.00, which includes lunch, refreshment breaks, and instructional materials. There is a $25.00 discount for fees paid and postmarked by June 26, 2012. We accept credit cards and personal or company checks for payment. For hard copy registration (see next page for form) a check must be included to guarantee your place in the course.

Register Online at: http://conted.warnell.uga.edu/courses/logging-1

Continuing Education Credits
- 10 SAF Continuing Forestry Education Hours – Category 1 (approved)
- 10 Continuing Logging Education Hours (Business Management) approved by the Georgia Master Timber Harvester program.

Full Attendance is Mandatory to Receive Credit.

Course Itinerary
Tuesday, July 17, 2012

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:20</td>
<td>Introduction</td>
</tr>
<tr>
<td>9:00</td>
<td>Production Estimation</td>
</tr>
<tr>
<td>10:00</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Cost Estimation</td>
</tr>
<tr>
<td>Noon</td>
<td>Lunch (included)</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Estimating System Performance</td>
</tr>
<tr>
<td>2:30</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>3:00</td>
<td>Using Historical Production Data</td>
</tr>
<tr>
<td>4:00</td>
<td>Using Historical Cost Data</td>
</tr>
<tr>
<td>5:00</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>

Wednesday, July 18, 2012

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>ProForma Analysis of Cash Flows</td>
</tr>
<tr>
<td>9:00</td>
<td>Evaluating Logging Systems</td>
</tr>
<tr>
<td>10:00</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Practical Applications</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

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.

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

Logging Cost Analysis
July 17 - July 18, 2012

☐ Early registration by June 26, 2012: ........................................... $375.00

☐ Regular registration after June 26, 2012: ............................ $400.00

Enclosed is check # __________
Make check payable to Warnell School of Forestry and Natural Resources. Your registration will not be processed until payment is received.

Cancellations:
Notify Ingvar Elle at 706-583-0566 by July 3, 2012 if a refund is needed.

Mail payment to:
Attn: Ingvar Elle
Warnell School of Forestry & Natural Resources
The University of Georgia
Athens, Georgia 30602

Lodging and Directions
A block of rooms has been reserved at the Wingate by Windham Hotel for the nights of July 16, 17 and 18 for $65.00 per room. Call the hotel directly at (803) 407-6166 to make a lodging reservation. Please mention you are attending the Logging Cost Analysis course to receive the group rate.

For directions to the Harbison Environmental Education Center, 5600 Broad River Road, Columbia, SC, please see Mapquest.com.

Special Needs
If you require special services or dietary considerations, contact Ingvar Elle at 706-583-0566 or e-mail (ielle@warnell.uga.edu) by July 3, 2012.