

# The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

## Sustainability of Wood-Based Bioenergy

### Development in the US South

June 2-3 2021

Instructor: Puneet Dwivedi, PhD.

Zoom online course



UNIVERSITY OF  
**GEORGIA**

Warnell School of Forestry  
& Natural Resources

### Purpose

The production of wood-based energy products in general, and wood pellets, in particular, is increasing in the United States. In this context, it is crucial to understand issues related to the sustainability of wood-based energy products (e.g., current and future markets, carbon intensity, the unit cost of production, land use changes, certification) for developing a better understanding of one of the fastest growing industries within the forestry sector. A mix of virtual lectures and firsthand exercises will help workshop participants develop fundamental skills for evaluating the overall sustainability of a wood-based energy enterprise.

### Who Will Benefit?

Private and state foresters, mill managers, sustainability managers, non-profits, and members of forestry associations will benefit from this course.

### Instructor

Dr. Puneet Dwivedi is an Associate Professor of Sustainability Sciences at the University of Georgia Warnell School of Forestry and Natural Resources. He specializes in wood-based energy development, forest certification, land use change, and family forest landowners. He has published eighty refereed articles covering various aspects of forestry in the United States and beyond. He can be reached at [puneetd@uga.edu](mailto:puneetd@uga.edu).

### Cancellations

In the event that you need to cancel, in order to receive a refund please contact Ingvar Elle (706-583-0566 or [ingvar@uga.edu](mailto:ingvar@uga.edu)) by May, 19 2021.

### Registration Fee

The fee for this course is \$235.00, which includes lunch, refreshment breaks, and instructional materials. There is a \$35.00 discount for fees paid and postmarked by May 12, 2021. We accept credit cards and personal or company checks for payment. A pre-registration form must be accompanied by a check to guarantee your place in the course. (See form on last page for alternative to online registration.)

### 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.

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### Course Schedule

Wednesday, June 2, 2021

Time	Event
8:00 AM - 8:50 AM	Historical Development
9:00 AM - 9:50 AM	Land Use Change and Forestry
10:00 AM - 10:50 AM	Growth & Yield Modeling
11:00 AM - 11:50 AM	Energy from Wood Pellets – I
12:00 AM - 12:40 PM	Energy from Wood Pellets – II

Thursday, June 3, 2021

Time	Event
8:00 AM - 8:50 AM	Forest & Bioenergy Certification
9:00 AM - 9:50 AM	Carbon Intensity
10:00 AM - 10:50 AM	Carbon in Trees & Products
11:00 AM - 11:50 AM	Economics of Wood Pellets
12:00 AM - 12:40 PM	Future of Bioenergy Markets

### Continuing Education Credits

- 8.0 Cat.1 Continuing Forestry Ed. (CFE) Hours (to be applied for)
- 8.0 Continuing Logger Ed. (CLE) Hours – Cat. B (to be applied for)

Register online at :

[http://conted.warnell.uga.edu/courses/sustain\\_wood\\_energy](http://conted.warnell.uga.edu/courses/sustain_wood_energy)

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### Registration Form for regular mail

*Full Attendance is Mandatory to Receive Credit.*

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

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

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 other Warnell Continuing Education programs.

\_\_\_\_\_  
Position Organization/employer

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

#### **Sustainability of Wood-Based Bioenergy Development**

June 2 - 3, 2021

Early registration through May 12, 2021.....\$200.00

Regular registration.....\$235.00

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

**(payable to Warnell School of Forestry and Natural Resources)**

**Your registration will not be processed until payment is received.**

#### Mail payment to:

Attn: Anuj Sinha

Warnell School of Forestry & Natural Resources

The University of Georgia

180 East Green Street

Athens, Georgia 30602