

2022 Dry Kiln Operator's Short Course

May 24 - 27, 2022
NC State University
Hodges Wood Products Lab
Raleigh, North Carolina

Conducted By
Wood Products Extension
North Carolina Cooperative Extension



Sponsored By:



*SEDKC has been educating
and improving the lumber drying
industry since 1950*



The Hodges Wood Products Lab's steam heated lumber dry kiln has a capacity of 1000 board feet

Course Description

This short course will provide practical knowledge about how lumber is effectively kiln dried and scientific background on related wood properties and processes. It will have value for the beginner as well as experienced kiln operators and with supervisors, sales, and marketing personnel. Instruction, by university faculty and industry experts, will be both in the classroom and through hands-on lab exercises using our 1000 BF steam heated dry kiln.



Register Today! Space will be Limited.

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Instructors

- **Phil Mitchell**
Extension Specialist
Dept. of Forest Biomaterials
NC State University
- **Frederik Laleicke**
Extension Specialist
Dept. of Forest Biomaterials
NC State University
- **Lyndsey Campbell**
Hodges Lab Superintendent
Dept. of Forest Biomaterials
NC State University

For More Information

For additional information and questions regarding this popular workshop, contact:

Phil Mitchell, NC State University
(919) 515-5581
phil_mitchell@ncsu.edu

2022 Dry Kiln Operator's Short Course

Program Contents

Tuesday, May 24

- Registration and Welcome
- Methods of Determining Moisture Content
- Selecting Kiln Samples
- Wood Structure and Drying
- Shrinkage and Wood Moisture Relations
- Temperature, Relative Humidity, and Equilibrium Moisture Content

Wednesday, May 25

- Drying Schedules
- Drying Stresses and Defects
- Equalizing and Conditioning and Kiln Overheating
- Plant Trips

Thursday, May 26

- Basic Kiln Features
- Controllers / Recorders Function & Maintenance
- Trouble Shooting Using Kiln Data
- Kiln Maintenance for Operators
- New Kiln Features

Friday, May 27

- Air Drying and Pre-Drying Principles
- Moisture Meters and Auxiliary Equipment

On most days there will be lab sessions in the morning and afternoon.

Registration

Online Registration will open at 9 AM on April 1, 2022. To learn more about the Dry Kiln Operator's Short Course and to register on Eventbrite using a credit card:

go.ncsu.edu/drykilncourse

The cost is \$350 per person. Class size will be limited.

The cost includes all printed material for the course, refreshments during breaks, registration fee, and three luncheons on campus.

A Hands On Course

You will learn by hearing, seeing, and most importantly, by doing!!



Hodges Wood Products Lab has classroom facilities and steam heated dry kiln.

Hotels

Students must make their own hotel reservations. There are several hotels in the area in addition to those listed below:

Hawthorn Suites by Wyndham

1020 Buck Jones Road,
Raleigh, NC 27606
919-468-4222
5.3 miles to Hodges Lab

Double Tree by Hilton

1707 Hillsborough Street
Raleigh, NC 27605
919-828-0811
1.8 miles to Hodges Lab

Holiday Inn Express & Suites

3741 Thistledown Drive
Raleigh, NC 27606
919-854-0001
2.8 miles to Hodges Lab

Best Western Plus Cary Inn

1722 Walnut Street
Cary, NC 27511
919-481-1200
4.8 miles to Hodges Lab

**NC State Wood Products Extension
on the Web at:**

go.ncsu.edu/woodproductsext