NC STATE UNIVERSITY

Lead Instructor—Dr. Phil Mitchell

Dr. Phil Mitchell is an Associate Professor and Wood Products Extension Specialist at NCSU. He has over 30 years experience in conducting educational workshops for the wood products industry. Phil has conducted drying research in industry and at the university. Industry focused education programs beyond lumber drying include lean implementation, lumber cut-up optimization, CNC manufacturing, wood gluing, and wood moisture as it relates to product performance. He serves as Secretary - Treasurer of the Southeastern Dry Kiln Club.

Phil’s Contact Info:
Dr. Phil Mitchell
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Campus Box 8003
NC State University
Raleigh, NC 27695
Tel: 919-515-5581
Email: phil_mitchell@ncsu.edu

Held at

NC STATE UNIVERSITY
WOOD PRODUCTS EXTENSION

HAYWOOD COMMUNITY COLLEGE
185 Freedlander Drive
Clyde, North Carolina 28721

Presented by

HAYWOOD COMMUNITY COLLEGE
Clyde, North Carolina 28721

Tuesday thru Friday
July 16 - 19, 2013

For more information contact:
Doug Burchfield—Coordinator
HAYWOOD COMMUNITY COLLEGE
Clyde, North Carolina 28721
Tel: 828-564-5128
Dry Kiln Operator’s Short Course

DATE & TIME:
July 16—19, 2013
> Tues.—Thurs.: 8 a.m.—5 p.m.
> Friday: 8 a.m.—12 noon

COST: $375.00 per student*
*Includes....
> Lunch on Tuesday thru Thursday
> Required textbooks and materials
> Use of HCC Lumber Drying Equipment

NOTE: Students are to provide their own Hard Hats and Hearing Protection which are required for this course.

INSTRUCTORS:
> Phil Mitchell
  Wood Products Extension
  North Carolina State University, Raleigh, NC

> Harry Watt
  Wood Products Extension
  North Carolina State University, Raleigh, NC

> Dan Mathews
  President
  SII Dry Kilns, Lexington, NC

> Bob Pope
  Dry Kiln Account Representative
  USNR (Irvington-Moore), Mt. Pelier, VT

> Rob Girardi
  President
  Kiln Drying Systems & Components (KDS)
  Arden, NC

COURSE DESCRIPTION:
This short-course will provide practical knowledge about how wood is effectively kiln dried and scientific background on related wood properties and processes. It will have value for beginner as well as experienced kiln operators along with sales, purchasing, marketing and manufacturing managers. Instruction, by university professors and various industry experts, will be in the classroom and through hands-on lab exercises using our steam powered dry kiln with direct-drive fans and digital controls.

COURSE OUTLINE:
> Wood Structure, Anatomy and Properties
> Temperature, Relative Humidity and EMC
> Moisture Content Determination
> Kiln Controls & Instrumentation
> Drying Schedules: Use & Modification
> Drying Stresses
> Equalizing & Conditioning
> Oak Drying
> Lumber Storage & Moisture Control
> Conserving Energy in Dry Kilns
> Air Drying Principles
> New Kiln Features on the Horizon

TRAINING SITE:
All classes will be held in the Dry Kiln Classroom of Building 400 on the main campus of Haywood Community College, 185 Freedlander Drive, Clyde, NC 28721

LODGING:
> The Lodge (10 minutes from campus) - In Waynesville—828-452-0353
> Comfort Inn of Maggie Valley (15 minutes from campus) - 828-926-9106
> Best Western Smokey Mtn. Inn (15 minutes from campus) - Waynesville—828-456-4885
> Smokey Shadows Lodge & Country Dining (30 minutes from campus) - 828-926-0001
> Best Western Mountain Brook (15 minutes from campus) - 828-926-3962
> The Waynesville Inn—Golf Resort & Spa (15 minutes from campus) - 800-627-6250

PLEASE NOTE:
Haywood Community College is closed on Fridays beginning May 17.

Registration Information

Dry Kiln Operator’s Short Course
JULY 16—19, 2013
HAYWOOD COMMUNITY COLLEGE

Registration Fee is $375 per person

For more information please contact:
Doug Burchfield
Continuing Education Division
185 Freedlander Drive
Clyde, North Carolina 28721
Telephone: (828) 564-5128
Email: ddburchfield@haywood.edu

To register, please contact:
Rose Harrison
Phone: (828) 565-4241
Email: rharrison@haywood.edu
FAX:(828) 565-4102

The Wood Products Programs at Haywood Community College are sponsored by a grant from......

Wood Education Resource Center
Princeton, WV