

NC STATE UNIVERSITY

Lead Instructor—Dr. Joe Denig



Dr. Joe Denig is a Professor and Departmental Extension Leader at NCSU. His time is focused on industry assistance, providing both technical assistance and leadership to the lumber manufacturing industry. His projects range from financial evaluations of mill upgrades, evaluating sawmill scanning and optimization systems, to lumber drying technical assistance. He also serves as the facilitator of three sawmill owners' round tables. He is a member of the Forest Products Society and serves as Treasurer of the **Southeastern Dry Kiln Club**. Dr. Denig holds a Ph.D. from Virginia Polytechnic Institute and State University.

Mailing Address:

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HAYWOOD
COMMUNITY COLLEGE
185 Freedlander Drive
Clyde, North Carolina 28721



Presents the.....

**42ND ANNUAL HARDWOOD
DRY KILN OPERATOR'S
SHORT-COURSE**



Held at

HAYWOOD
COMMUNITY COLLEGE

**Tuesday thru Friday
July 27 - 30, 2010**

For more information contact:
Whit Whitmire—Wood Products Program
HAYWOOD COMMUNITY COLLEGE
Clyde, North Carolina 28721
Tel: 828-565-4246

Presented by
**NC STATE UNIVERSITY and
The Southeastern Dry Kiln Club (SEDKC)**

Supported by
**WOOD EDUCATION RESOURCE CENTER
USDA FOREST SERVICE**



Dry Kiln Operator's Short Course

DATE & TIME:

July 27–30, 2010

- > Tues.—Thurs.: 8:00 am to 5:00 pm
- > Friday: 8:00 am to 12:00 noon

COST: \$350.00 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, Hearing Protection, and Steel-Toed Boots, which are required for this course.

INSTRUCTORS:

- > **Joe Denig**
Wood Products Extension
North Carolina State University, Raleigh, NC
- > **Phil Mitchell**
Wood Products Extension
North Carolina State University, Raleigh, NC
- > **Dan Mathews**
President
SII Dry Kilns, Lexington, NC
- > **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:

- > **Terry Lynn Motel** (15 minutes from campus) - 828-926-0433
- > **The Lodge** (10 minutes from campus) - 828-452-0353
- > **Days Inn West** (15 minutes from campus) - 828-667-9321
- > **Super 8 Motel** (5 minutes from campus) - 828-454-9667
- > **Comfort Inn of Canton** (15 minutes from campus) - 828-648-4881
- > **Comfort Inn of Maggie Valley** (15 minutes from Campus) - 828-926-9106
- > **Best Western Smokey Mtn. Inn** (15 minutes from campus) - 828-456-4885
- > **Best Western of Maggie Valley** (15 minutes from campus) - 828-926-3982
- > **Maggie Valley Creekside Lodge** (15 Minutes from campus) - 800-621-1260
- > **The Waynesville Inn—Golf Resort & Spa** (10 minutes from campus) - 800-627-6250

Registration Information

HARDWOOD LOG GRADING/SCALING MAY 6 & 7, 2010

Registration Fee is \$350 per person

For further information and to register for this course, please contact:

Whit Whitmire
Haywood Community College
Continuing Education
185 Freedlander Drive
Clyde, North Carolina 28721

Telephone: 828-565-4246
FAX: 828-565-4102
Mobile: 828-283-3896 (after 4 pm)
Email: mwhitmire@haywood.edu

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



**Wood Education
Resource Center
Princeton, WV**