

# INTERMEDIATE NONWOVENS TRAINING COURSE

INDA Headquarters, Cary, NC

The Nonwovens Institute, NC State University,  
Raleigh, NC

**March 15-18, 2016 | August 9-12, 2016 | November 15-18, 2016**

The course will be held at INDA Headquarters, Suite 115, 1100 Crescent Green, Cary, NC 27518 and NC State University, The Nonwovens Institute, 1000 Main Campus Drive, Raleigh, NC 27606, College of Textiles Building, Suite 2418

## **TAKE THE NEXT STEP FORWARD - ADVANCE YOUR OPPORTUNITIES AND YOUR ORGANIZATION.**

Designed for industry professionals with nonwovens experience or a technical background, this new 3.5 day course is a bridge between INDA's Elementary Nonwovens Training Course and the Advanced Courses of the Professional Development Series. Attendees will learn how to select the correct technology to meet product performance and attribute requirements. The course includes the fundamental chemical and physical make up of nonwovens, the properties of materials used in making them, and the manufacturing processes used to produce them.

The curriculum includes demonstrations of processes at The Nonwovens Institute on the campus of NC State University, at their state-of-the-art pilot lines and analytical characterization labs. Both INDA and NWI instructors will lead the class, with select guest speakers contributing to educational content. A Bachelor of Science degree in engineering, textiles, or five years of relevant experience in nonwovens is recommended.

This educational course is aimed at making professionals and their organizations more successful by providing:

- Advanced nonwovens knowledge
- In-depth understanding of processes, technologies, chemistries, and raw materials
- Expanded business options for branded and private label products
- Enhanced professional and personal growth

## **OVERVIEW**

- Fundamentals of fibers and materials
- Web formation technologies
- Fabric bonding technologies
- Fabric finishing and converting
- Testing and characterization
- Nonwoven products and markets
- Future direction of the industry and technologies

This course is designed for nonwovens industry professionals who desire a deeper knowledge and understanding of nonwoven processes and products including:

- R&D professionals
- Manufacturing and engineering
- Business and product development
- Production personnel
- Maintenance and plant engineers
- Quality control technicians
- Technical marketing and sales professionals

# INTERMEDIATE NONWOVENS TRAINING COURSE

INDA Headquarters, Cary, NC

The Nonwovens Institute, NC State University,  
Raleigh, NC

**March 15-18, 2016 | August 9-12, 2016 | November 15-18, 2016**

The course will be held at INDA Headquarters, Suite 115, 1100 Crescent Green, Cary, NC 27518 and NC State University, The Nonwovens Institute, 1000 Main Campus Drive, Raleigh, NC 27606, College of Textiles Building, Suite 2418

## INSTRUCTORS:

**Brad Kalil**, Director of Market Research & Statistics, INDA

**David Nelson**, Industrial Extension Specialist, The Nonwovens Institute, 3M, (retired)

**Behnam Pourdeyhimi, Ph.D.**, The William A. Klopman Distinguished Chaired Professor of Materials in the College of Textiles at North Carolina State University, Associate Dean for Industry Research and Extension in the College of Textiles, Founding Executive Director of The Nonwovens Institute

**Dave Rouse**, President, INDA

**Stephen Sharp**, NWI Pilot Facilities Manager, The Nonwovens Institute

**Ed Thomas**, First Quality, Fiberweb, (retired)

*"I would definitely recommend the INDA training class to anyone who wants an in-depth look into nonwoven manufacturing. I especially liked the group exercise; it promoted teamwork and allowed us to see different areas of nonwoven use and markets."*

- Tara Millar  
Product Manager-Atlantic Mills and Sertun Brands  
ITW Professional Brands

*"Excellent course - I learned a great deal about the industry outside of my narrow focus. Great to know alternate techniques and materials and I now have good reference literature as well."*

- Tom Owens  
Director of Technical Services and Sourcing  
Americo Manufacturing Co., Inc.

*"I would recommend this class to anyone who has any knowledge with the basics of nonwovens. I have a better understanding on what companies are looking to use in their products for the best results. Our Director of Supply Chain was debating on going to the class and I told him that I thought he would benefit greatly from this class."*

- Vickey Dingus  
R&D Technician  
Principle Business Enterprises

**3.5 days, 3.0 CEUs**

**INDA/NWI Members: \$2,350 | Non-members: \$3,350**

Multiple registrants from the same company receive a discount.

A comprehensive guide of instruction and reference material is provided to each attendee.