

Nonwoven Fabric Property Development and Characterization Agenda

The Nonwovens Institute (NWI), NC State University
1010 Main Campus Drive
Raleigh, NC 27606

Tuesday, Day 1

- 12:00 pm **Networking Lunch**
- 1:00 pm Introductions and Course Overview
- 1:45 pm Introduction to Testing & Quality
Management System (QMS)
- 2:15 pm **Coffee Break**
- 2:30 pm Structural Attributes of Nonwovens
& Their Characterization
- 3:15 pm Structural Uniformity
- 4:10 pm Effect of Structure on Material Behavior
- 4:30 pm Mechanical Properties: Tensile,
Compression & Recovery

Wednesday, Day 2

- 8:30 am **Networking and Light Breakfast**
- 9:00 am Tear & Bursting
- 9:45 am Fuzz & Linting
- 10:30 am **Coffee Break**
- 10:45 am Haptics – Measurement of “Hand”
- 12:00 pm **Networking Lunch**
- 1:00 pm Flammability and Thermal Evaluation
- 1:30 pm Pore Size and Pore Volume Distribution
- 2:00 pm Blood Borne Pathogen
- 3:00 pm **Coffee Break**
- 3:15 pm Mechanical Properties & Characterization
Laboratory Tour and Practical
Demonstrations
- 5:30 pm **Networking Reception**

Thursday, Day 3

8:30 am	Networking and Light Breakfast
9:00 am	Microscopic Analysis – Overview
10:15 am	Coffee Break
10:30 am	NWI Pilot Facility Tour
11:15 am	Scanning Electron Microscope (SEM) and Its Applications in Nonwovens
12:00 pm	Networking Lunch
1:00 pm	SEM Lab
2:00 pm	Image Analysis for Nonwovens
3:00 pm	Coffee Break
3:15 pm	Air & Aerosol Filtration
4:15 pm	Liquid Filtration

Friday, Day 4

8:30 am	Networking Light Breakfast
9:00 am	Absorbency
10:00 am	Coffee Break
10:15 am	Moisture Vapor Transmission Rate (MVTR)
11:00 am	Wiping Efficiency – DWE Methods
12:00 pm	Networking Lunch
1:00 pm	Q&A and Wrap-Up