

## Fiber and Filament Extrusion Fundamentals Agenda

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

### Tuesday, Day 1

- 8:00 am **Networking and Light Breakfast**
- 9:00 am Introductions and Course Objectives
- 9:30 am Introduction to Polymers
- 10:30 am **Coffee Break**
- 10:45 pm Rheological Properties of Polymers
- 12:00 pm **Networking Lunch**
- 1:00 pm Rheological Properties of Polymer Blends
- 2:00 pm Basics of Compounding
- 3:00 pm **Coffee Break**
- 3:45 pm Polymer Properties, Thermal Characteristics, etc.
- 4:15 pm Fiber Classification
- 5:30 pm **Networking Reception**

### Wednesday, Day 2

- 8:00 am **Networking and Light Breakfast**
- 9:30 am Fiber Formation and Property Development
- 10:00 am **Coffee Break**
- 10:30 am Multicomponent Fibers, Microfibers, etc.
- 11:15 am Fiber Finish
- 11:45 am **Networking Lunch**
- 1:00 pm Staple Fiber Production
- 2:00 pm The Spunbond Process
- 3:00 pm The Meltblown Process
- 3:30 pm **Coffee Break**
- 4:00 pm Fiber Mechanical Properties
- 5:00 pm Lab Review

### Thursday, Day 3

- 8:00 am **Networking and Light Breakfast**
- 8:30 am Fiber Science Lab
- 12:00 pm **Networking Lunch**
- 1:00 pm Fiber Testing and Analytical Lab
- 2:30 pm Wrap-Up and Q&A