

## 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	<b>Networking and Light Breakfast</b>
9:00 am	Introductions & Course Objectives
9:30 am	Introduction to Polymers
11:00 am	Rheological Properties
12:00 pm	<b>Networking Lunch</b>
1:00 pm	Polymer Characterization
2:30 pm	Fiber Characterization
3:30 pm	<b>Coffee Break</b>
3:45 pm	Fiber Formation & Property Development
4:15 pm	Multicomponent Fibers, Microfibers, Islands In the Sea Fibers

### Wednesday, Day 2

8:00 am	<b>Networking and Light Breakfast</b>
8:30 am	Spinning and Processing Operations of Staple Fiber Production
10:00 am	<b>Coffee Break</b>
10:15 am	Fiber Finish
10:45 am	The Spunbond & Meltblown Processes
12:00 pm	<b>Networking Lunch</b>
1:00 pm	Fiber Extrusion – Industrial Perspectives On How to Predict and Control Orientation, Minimize Shrinkage and Control Spinnability
4:30 pm	Lab Review
5:30 pm	<b>Networking Reception</b>

### Thursday, Day 3

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