

Textile 101 Outline/Agenda ---- 2019



1. Natural Fibers

New products
Properties

2. Synthetic Fibers

Polymerization, spinning, POY, drawing
Filament vs staple production
Cross sections, crimping, finish application
Properties

3. Staple fiber processing

Short staple processing steps --opening thru roving
Properties

4. Staple spinning systems

Yarn spinning systems (ring, open end and air jet)
Yarn properties

5. Yarn Numbering Systems

Yarn designations, terminology
Denier vs cotton count
DPF, microdenier

6. Fabric Constructions

Design Parameters ---aesthetics vs performance
Wovens, knits, nonwovens
Hands on fabric analysis

7. Dyeing and Finishing

Coloration options --solution dye, stock dye, yarn dye, fabric dye
Dyeing procedures and dyeing issues
Printing options
Fabric finishing techniques/ options

8. Product Testing

9. Emerging Trends/Technologies



Classes held at Textile Technology Center
7220 Wilkinson Blvd / Highway 74
Belmont, NC
8:30 AM-12:30 PM (4 hours)
Fee to attend: \$ 95.00

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