PROFESSIONAL DEVELOPMENT CENTER

NONWOVENS TRAINING COURSE

INTERMEDIATE

INTERMEDIATE NONWOVENS TRAINING COURSE

Instructor, Ed Thomas
Head of Research and Product Development
First Quality, Fiberweb (retired)

COURSE AGENDA

DAY 1	TUESDAY	
8:30 AM	CONTINENTAL BREAKFAST	INDA
9:00 AM	INTRODUCTION	DAVE ROUSSE, INDA
9:10 AM	WELCOME	DAVE ROUSSE, INDA
9:20 AM	PROGRAM PREVIEW *Video overview, nonwoven markets and product applications, information sources.*	EDWARD THOMAS, INSTRUCTOR
	THE WORLD OF NONWOVENS *"Hands-on" examination of nonwoven fabric and end-use product samples as a means to illustrate the wide range of nonwoven usage.*	EDWARD THOMAS, INSTRUCTOR
	ESTABLISHMENT OF "ANALYSIS TEAMS AND TASKS."	
12:00 PM	LUNCH	INDA
1:00 PM	NONWOVENS TECHNOLOGY PRIMER *Definitions of nonwovens, short history of the technical evolution of the industry. Description of basic nonwoven manufacturing principles and systems.*	EDWARD THOMAS, INSTRUCTOR
	FIBER FUNDAMENTALS *Generic types and characteristics, property comparisons, raw material-fabric property relationships.*	EDWARD THOMAS, INSTRUCTOR
5:00 PM	RECEPTION AND "ANALYSIS TEAM BONDING"	
6:00 PM	ADJOURNMENT (EVENING ON YOUR OWN)	

DAY 2	WEDNESDAY	
8:30 AM	CONTINENTAL BREAKFAST	INDA
	ANALYSIS TEAM WORK AND DISCUSSION SESSION	
9:00 AM	WEB FORMING TECHNOLOGIES – DRYLAID NONWOVENS *Analysis of carding and staple fiber airlaid systems. Review of background, process technologies and recent developments.*	DAVE NELSON, INSTRUCTOR
	WEB FORMING TECHNOLOGIES – WETLAID AND SHORT FIBER AIRLAID NONWOVENS *Development of wetlaid nonwovens based on paper technology. Unique characteristics of cellulose fibers in wetlaid technology. Development of short fiber airlaid nonwovens and comparison of short fiber airlaid nonwovens technology with wetlaid nonwovens technology.*	EDWARD THOMAS, INSTRUCTOR
11:00 AM	TRAVEL TO NONWOVENS INSTITUTE	
11:30 AM	NONWOVEN INSTITUTE WELCOME	DAVE NELSON, INSTRUCTOR
11:40 AM	WEB FORMING AND BONDING TECHNOLOGIES – "POLYMER TO FABRIC" NONWOVENS *Basic principles associated with spunbond, meltblown and film-based nonwovens and the polymers used in their production.*	BEHNAM POURDEYHIMI, INSTRUCTOR
12:30 PM	LUNCH	NONWOVENS INSTITUTE
1:15 PM	WEB FORMING AND BONDING TECHNOLOGIES (CONTINUED) *Systems for spunlaced/hydro-entangled nonwovens.*	BEHNAM POURDEYHIMI, INSTRUCTOR
3:00 PM	STAPLE AND POLYMER LAB DISCUSSION	DAVE NELSON, INSTRUCTOR
3:20 PM	STAPLE AND POLYMER LAB TOURS AND DEMONSTRATIONS	DAVE NELSON, INSTRUCTOR
5:25 PM	ADJOURNMENT (EVENING ON YOUR OWN)	

DAY 3	THURSDAY	
8:30 AM	CONTINENTAL BREAKFAST	INDA
	ANALYSIS TEAM WORK AND DISCUSSION SESSION	
9:00 AM	WEB BONDING TECHNOLOGIES I *Mechanical bonding principles and systems.*	EDWARD THOMAS, INSTRUCTOR
	WEB BONDING TECHNOLOGIES II *Chemical and thermal bonding principles and systems.*	DAVE ROUSSE, INDA
	NONWOVEN FABRIC FINISHING & CONVERTING *Principles, processes, and methods used to treat nonwoven fabrics to obtain.*	EDWARD THOMAS, INSTRUCTOR
12:00 PM	TRAVEL TO NONWOVENS INSTITUTE	
12:30 PM	LUNCH	NONWOVENS INSTITUTE
1:15 PM	NONWOVEN FABRIC TEST METHODS AND PROCEDURES	AMY MINTON, LAB MANAGER
2:00 PM	TEST METHODS *Overview of nonwoven test methods and standardization of test procedures.*	AMY MINTON, LAB MANAGER
3:00 PM	TEST LAB TOURS AND DEMONSTRATIONS	AMY MINTON, LAB MANAGER
5:25 PM	ADJOURNMENT (EVENING ON YOUR OWN)	

DAY 4	FRIDAY	
8:15 AM	CONTINENTAL BREAKFAST	INDA
8:45 AM	FUTURE TRENDS *Projection of future applications and developments in manufacturing materials, processes and products.*	BEHNAM POURDEYHIMI, INSTRUCTOR
9:30 AM	ANALYSIS TEAM PRESENTATIONS	EDWARD THOMAS, INSTRUCTOR
10:30 AM	BREAK	
10:45 AM	FUTURE DIRECTIONS	DAVE ROUSSE, INDA
11:15 AM	WORLDWIDE NONWOVEN STATISTICS AND TRENDS	BRAD KALIL, INDA
12:00 PM	LUNCH	INDA
12:30 PM	HOT ITEM UPDATE(S) *Discussion on the Wet Wipe Flushability Threat and the Plastics Issue*	DAVE ROUSSE, INDA
1:30 PM	ADJOURNMENT *Please exchange a completed evaluation for your certificate.*	