

# Monday Morning Short Course Schedule

		Core Classes			Electives			
		Track 1	Track 2	Testing	Top-Bar Hives	Sideliner Topics	Value-Added Products	Microscopy
		Brandywine 31	Brandywine 33	Apiary	Brandywine 31	Brandywine 4	Merion 109	Merion 208
REGISTRATION	7:00–8:00	Breakfast for Dorm Residents (Lawrence)						
	8:00–8:45	<b>SC111 *</b> Biology of Individuals in the Hive <b>Debbie Delaney</b>	<b>SC102 *</b> Equipment & Construction <b>Mark Antunes</b>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC171</b> Top-Bar Hands-On Management <b>Wyatt Mangum</b> <i>(Limit 25-Preregistration Required)</i> <MEET IN APIARY>	<b>SC301</b> Hobbyist/Sideliner Marketing Techniques <b>Carleen Vorisek</b>	<b>SC221</b> Making Creams and Lip Balms with Beeswax <b>Grace Crawford</b>	<b>M101**</b> Introduction to Microscopes (& Pollen) <b>Don Coats</b>
	9:00–9:45	<b>SC112 *</b> Biology of the Colony <b>Debbie Delaney</b>	<b>SC101 *</b> Siting Hives, Good Neighbors, & BMP <b>David Papke</b>			<b>SC302</b> Maximizing Honey Production <b>Michael Palmer</b>		
	9:45–10:15	Break (Brandywine Foyer)						
	10:15–11:00	<b>SC121 *</b> Reading Hives & Frames <b>Mark Antunes</b> <MEET IN APIARY>	<b>SC111 *</b> Biology of Individuals in the Hive <b>Debbie Delaney</b>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC172</b> Top-Bar Seasonal Management, Other Topics <b>Wyatt Mangum</b> <MEET IN CLASSROOM>	<b>SC303</b> Considerations for Honey Houses and Extraction Rooms <b>Dennis Keeney</b>	<b>SC222</b> Making Creamed Honey <b>Vince Aloyo</b>	<b>M209**</b> American Foulbrood Identification, in the Hive and under the Scope <b>Bart Smith</b>
	11:15–Noon	<b>SC124 *</b> Management through the Seasons <b>Stephan Repasky</b> <MEET IN APIARY>	<b>SC112 *</b> Biology of the Colony <b>Debbie Delaney</b>			<b>SC304</b> Building a Profitable Bee Business <b>Dan Conlon</b>		
	Noon–1:30	Lunch (at Sykes)						

# Monday Afternoon Short Course Schedule

		Core Classes			Electives			
		Track 1	Track 2	Testing	Top-Bar Hives	A Detailed Look at Bees & Pests	Queen Rearing	Microscopy
		Brandywine 31	Brandywine 33	Apiary	Apiary	Brandywine 4	Merion 109	Merion 208
REGISTRATION	1:30–2:15	<b>SC142 *</b> Diseases Part 1—Infectious Brood Diseases <b>Vince Aloyo</b>	<b>SC121 *</b> Reading Hives & Frames <b>Mark Antunes</b> <MEET IN APIARY>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC171</b> Top-Bar Hands-On Management <b>Matthew Feldman</b>  <i>(Limit 25-Preregistration Required)</i> <MEET IN APIARY>	<b>SC305</b> Nucs Are My Business <b>Mike Palmer</b>	<b>SC201</b> Bee Biology for Queen Rearing <b>Elina L. Niño &amp; Bernardo Niño</b>	<b>M101**</b> Introduction to Microscopes <b>Don Coats</b>
	2:30–3:15	<b>SC143 *</b> Diseases Part 2—Parasites and Adult Bee Diseases <b>Vince Aloyo</b>	<b>SC124 *</b> Management through the Seasons <b>Stephen Repasky</b> <MEET IN APIARY>			<b>SC341</b> What We Know about Varroa Mites <b>Diana Sammataro</b>	<b>SC202</b> Equipment and Setup for Queen Rearing <b>Elina L. Niño &amp; Bernardo Niño</b> <MEET IN APIARY>	
	3:15–3:45	Break (Brandywine Foyer)						
	3:45–4:30	<b>SC132 *</b> Products of the Hive <b>David Papke</b>	<b>SC123 *</b> Nucs, Splitting Hives, & Combining Hives <b>Mark Antunes</b> <MEET IN APIARY>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC199</b> Travel through Bee (and American) History: A Visit to a Local Bee yard and Apiary Museum <b>Warren Graham</b>  <i>(Pick up map at registration and drive 20 minutes to site. For more information, see page 46.)</i>	<b>SC342</b> Small Hive Beetle Biology and Control <b>Debbie Delaney</b>	<b>SC203**</b> Grafting <b>Elina L. Niño &amp; Bernardo Niño</b> (LIMIT 20)	
	4:45–5:30	<b>SC122 *</b> Hive That Swarm <b>Stephen Repasky</b> <MEET IN APIARY>				<b>SC309</b> Top Five Things to Be Successful in Beekeeping Panel Discussion <b>Mike Palmer &amp; Dennis Keeney</b>	<b>SC203**</b> Grafting <b>Elina L. Niño &amp; Bernardo Niño</b> (LIMIT 20)	
5:30–7:30	Dinner (On Your Own)							
7:30–8:30	Q&A with the Core Level Instructors *	Q&A with the Elective Instructors	Movie Night (Allegheny Theater)					

\* Of special interest to new beekeepers.

\*\* Seating is limited and on a first come basis. You may choose to guarantee your spot by putting your name on the sign-up list at the Registration Desk.

## Tuesday Morning Short Course Schedule

Core Classes				Electives			
Track 1	Track 2	Testing	Green Bees, Healthy Bees	A Detailed Look at Bees and Maladies	Train the Trainer <i>(Preregistration Required)</i>	Value-Added Products	Microscopy
Brandywine 31	Brandywine 33	Apiary	Sykes Theater	Brandywine 4	Brandywine 10	Merion 109	Merion 208
7:00–8:00	Breakfast for Dorm Residents (Lawrence)						
8:00–8:45	<b>SC102 *</b> Equipment & Construction <b>Mark Antunes</b>	<b>SC141 *</b> Noninfectious Disorders in the Hive <b>Jim Bobb</b>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC181</b> Overview and History of Organic, Natural, & Biodynamic Beekeeping <b>Ben Bower</b>	<b>SC343</b> Understanding Nosema <b>Holly Holt</b>	<b>SC401</b> Train the Trainer All Day Event <b>Bill Mares &amp; David Tarpy</b>	<b>SC231</b> Handmade Soaps Using Honey & Bees Wax Part I <b>Landi Simone</b>
9:00–9:45	<b>SC101 *</b> Siting Hives, Good Neighbors, & BMP <b>David Papke</b>	<b>SC131 *</b> Feeding Bees <b>Vince Aloyo</b>		<b>SC182</b> Natural Beekeeping & Certified Naturally Grown <b>Buddy Marterre</b>	<b>SC320</b> Requeening Considerations <b>Wyatt Mangum</b>		<b>SC232</b> Handmade Soaps Using Honey & Bees Wax Part II; Plus Collecting and Using Propolis <b>Landi Simone</b>
9:45–10:15	Break (Brandywine Foyer)						
10:15–11:00	<b>SC133 *</b> Honey Processing <b>David Papke</b>	<b>SC142 *</b> Diseases Part 1—Infectious Brood Diseases <b>Vince Aloyo</b>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC183</b> Easy Queen Rearing Techniques (w/out Grafting) <b>Warren Graham</b> <MEET IN APIARY>	<b>SC322</b> How Bees Communicate <b>Maryann Frazier</b>	<b>SC401</b> Train the Trainer All Day Event (Continued)	<b>M222**</b> Detecting Nosema Infection in Honey Bees <b>Holly Holt</b> (LIMIT 20)
11:15–Noon	<b>SC141 *</b> Noninfectious Disorders in the Hive <b>Jim Bobb</b>	<b>SC143 *</b> Diseases Part 2—Parasites and Adult Bee Diseases <b>Vince Aloyo</b>		<b>SC184</b> Queens: Local, Russian, Italian, Carniolan, Hygienic... Which Should I Choose? <b>Dan Conlon</b>	<b>SC323</b> A Unique Communication Study: House Hunting <b>Tom Seeley</b>		<b>SC235</b> Building a Bear-Proof Fence <b>Landi Simone</b>
Noon–1:30	Lunch (Sykes)						

REGISTRATION

\* Of special interest to new beekeepers.

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## Tuesday Afternoon Short Course Schedule

		Core Classes			Electives						
		Track 1	Track 2	Testing	Green Solutions for Varroa Control	Queen Rearing Followup	A Detailed Look at Bees	Train the Trainer (Preregistration Required)	Microscopy		
		Brandywine 33	Brandywine 31	Apiary	Sykes Theater	Merion 109	Brandywine 4	Brandywine 10	Merion 208		
REGISTRATION	HONEY SHOW DROPOFF	1:30–2:15	<b>SC123 *</b> Nucs, Splitting Hives, & Combining Hives <b>Mark Antunes</b> <MEET IN APIARY>	<b>SC133 *</b> Honey Processing <b>David Papke</b> <MEET IN BRANDYWINE 33c>	<b>SC151 *</b> Drop In Q&A or Take the Core Field Exam	<b>SC191</b> Why Treat for Varroa— Pros & Cons <b>Buddy Marterre</b>		<b>SC321</b> The Communication Signals in Honey Bee Swarms <b>Tom Seeley</b>	<b>SC401</b> Train the Trainer All Day Event (Continued)		
		2:30–3:15	<b>SC131 *</b> Feeding Bees <b>Vince Aloyo</b>	<b>SC132 *</b> Products of the Hive <b>Steve Repasky</b>		<b>SC192</b> Three Steps to Healthier Bees: Natural Size Cells, Proper Nutrition, and Local Genetics <b>Adam Schreiber</b>	<b>SC204</b> Check the Queen Cells <b>Elina L. Niño &amp; Bernardo Niño</b> <MEET IN APIARY>	<b>SC306</b> Considerations When Expanding the Number of Hives <b>Zac Browning</b>			
		3:15–3:45	Break (Brandywine Foyer)								
		3:45–4:30	<b>SC152 *</b> Core Written Test		<b>SC193</b> Varroa Control by Breaking the Brood Cycle <b>Steve Repasky</b>		<b>SC306</b> Cooking with Honey <b>Pennsylvania Honey Queen Program</b>	<b>SC401</b> Train the Trainer All Day Event (Continued)			
		4:45–5:30	Bee Olympics (Academic Quad)								
		5:30–7:00	Dinner (On Your Own)								
		7:00–7:30	Honey Ice Cream Social (Sykes Theater Foyer)								
		7:30–8:30	Certificate Ceremony (Sykes Theater) <b>Dewey Caron</b> , EAS Chairman Emeritus & EAS Master Beekeeper Advisor, Keynote Speaker								

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**EAS Board of Directors' Meeting**  
8:30–10:30 p.m. (Brandywine 4)