



Synopsis for (11:370:308)

APICULTURE

3.0 credits

Apiculture 11:370:308 2019 Spring Semester

Class/Week	Topic	Sammataro	DVD
1	Introduction, terminology, why keep bees, Races of bees	Ch. 1	NJDA Bee Movie
2	Biology of the honey bee, social, purpose, goal of hive, nest organization, behavior,	Ch.2 Appendix A	Tales from the hive/Behind the hive
3	Bee hive equipment, beekeeper equipment, how to get started, sources of bees, location of apiary, honey bee behavior.	Ch. 3, 4, 5, 6	No video, Brought Equipment
4	Non Apis Pollinators Michael Roswell (Rachael Winfree Lab)		Honey bees and other pollinators
5	Management for 1 year, what to do when, feeding-why and how, manipulations to correct problems, critical times of year.	Ch7,8, 9,11	Hiving a Swarm
6	Bee diseases, pests, parasites, detection and control. IPM Methods	Ch. 13,14	Why are bee's disappearing?
7	Hive products, Honey, medicinal value, production major nectar sources in NJ, removal, processing, tasting, selling, bees wax	Ch. 12	On the brink
8	Increasing your colonies Queen biology and mating, making splits and nucleus colonies, queen rearing and grafting	Ch. 10	Queen's flight
	No Class Spring Break		
9	Creating and managing habitat and designing guidelines Kelly Gill (Xerces Society)		Neonicotinoids: The new DDT
10	Pesticides and environmental effects Dr. Hamilton First group of student team presentations		

11	Regulations, pollination, foraging behavior, changes in the industry Student presentations		
12	Review/ Final Presentations / Bee yard		
13	No Class		
14	Final Exam During Class Work bees in bee yard / Last class day		