



Dr. Elaine's™ Soil Food Web School
Foundation Course Title List

Foundation Course 1 - Introduction to the Soil Food Web **19:47:49** Total Course Hours

Chapter 1: Understanding Soil

Lecture 1: Soil - Two Definitions	0:45:34
Lecture 2: Understanding the Components of Soil	1:05:30
Lecture 3: Soil Assessment Methods	0:54:36
Lecture 4: Plant Physiology and Biochemistry	0:37:00
Lecture 5: What Went Wrong: The History of Agriculture	0:45:48

Chapter 2: Benefits of The Soil Food Web

Lecture 6: Nutrient Cycling	0:47:20
Lecture 7: Compaction and Anaerobic Conditions	0:47:44
Lecture 8: Disease Suppression	0:31:12
Lecture 9: Structure (Part 1)	0:49:11
Lecture 10: Structure (Part 2)	0:47:44
Lecture 11: Weeds and Succession (Part 1)	0:53:56
Lecture 12: Weeds and Succession (Part 2)	0:20:20
Lecture 13: The Nitrogen Cycle	0:39:33
Lecture 14: Carbon Sequestration and the Carbon Cycle	0:36:05

Chapter 3: History of the Soil Food Web

Lecture 15: History of the Soil Food Web (Part 1)	0:52:02
Lecture 16: History of the Soil Food Web (Part 2)	0:35:36

Chapter 4: Soil Food Web Microorganisms

Lecture 17: Bacteria	0:49:42
Lecture 18: Fungi	0:51:33
Lecture 19: Mycorrhizal Fungi	0:26:29
Lecture 20: Protozoa	0:29:05
Lecture 21: Nematodes	0:43:37

Chapter 5: Working with the Soil Food Web

Lecture 22: Making BioComplete™ Soil Amendments	0:41:59
Lecture 23: The Site Assessment	0:48:28
Lecture 24: Application Methods and The Biological Plan	0:59:40
Lecture 25: Case Studies: Camperdown Dairy Farm, Table Grapes in Australia	0:43:45
Lecture 26: Case Studies: Umbhaba Estates, Governors Island	0:26:57
Lecture 27: Case Studies: Ukraine, California Farms, Tomato Farm	0:57:23

Foundation Course 2 - BioComplete™ Compost **7:33:37** Total Course Hours

Lecture 1: The History of Compost	0:27:06
Lecture 2: What Defines BioComplete™ Compost	0:35:46
Lecture 3: Thermophilic Composting (Part 1)	0:55:42
Lecture 4: Thermophilic Composting (Part 2)	1:02:57
Lecture 5: Thermophilic Composting (Part 3)	0:57:47
Lecture 6: BioComplete™ Vermicompost	0:58:19
Lecture 7: Static Compost	0:50:29
Lecture 8: Making BioComplete™ Compost (Part 1)	0:43:08

Lecture 9: Making BioComplete™ Compost (Part 2)	0:43:11
Lecture 10: Assessing the Quality of BioComplete™ Compost	0:19:12

Foundation Course 3 - BioComplete™ Liquid Amendments **10:04:51** Total Course Hours

Lecture 1: Definitions (Part 1)	0:51:05
Lecture 2: Definitions (Part 2)	0:33:25
Lecture 3: General Concepts (Part 1)	0:53:06
Lecture 4: General Concepts (Part 2)	0:42:43
Lecture 5: General Concepts (Part 3)	0:53:38
Lecture 6: Making BioComplete™ Extracts & Teas (Part 1)	0:59:54
Lecture 7: Making BioComplete™ Extracts & Teas (Part 2)	0:56:32
Lecture 8: Making BioComplete™ Extracts & Teas (Part 3)	1:03:08
Lecture 9: Application Methods (Part 1)	0:42:19
Lecture 10: Application Methods (Part 2)	0:55:17
Lecture 11: Application Methods (Part 3)	0:46:52
Lecture 12: Performing a Nematode Extraction & Assessment	0:46:52

Foundation Course 4 - Microscopy **9:22:27** Total Course Hours

Chapter 1

Lecture 1: Using a Compound Microscope for Shadowing Microscopy (Part 1)	0:43:06
Lecture 2: Using a Compound Microscope for Shadowing Microscopy (Part 2)	0:55:01
Lecture 3: Bacterial Morphology (Part 1)	0:46:06
Lecture 4: Bacterial Morphology (Part 2)	0:39:42
Lecture 5: Fungal Morphology (Part 1)	0:28:36
Lecture 6: Fungal Morphology (Part 2)	0:51:48
Lecture 7: Fungal Morphology (Part 3)	0:54:57
Lecture 8: Protozoan Morphology	0:53:27
Lecture 9: Nematode Morphology	1:10:31
Lecture 10: Microarthropods, Algae, & Pollen	0:24:17
Lecture 11: Organic Matter, Mineral Material, etc.	0:35:57

Chapter 2

Lecture 12: Preparing a Dilution	0:10:54
Lecture 13: Preparing a Slide	0:12:58
Lecture 14: Performing an Assessment Using the Soil Food Web App (sMApp)	0:35:07

Grand Total FC1-FC4 Course Hours	46:48:44
---	-----------------