

Farm Pond Management 101

12 Week Zoom Course • Syllabus

Thursdays • April 29 - July 15 • 9:30AM - 11:30AM EASTERN TIME

Week 1, April 29 • 10 AM

Basic Overview and Introduction

What is a farm pond/small impoundment?
Farm Pond Uses • Dams • Fish Population •
Ecology • Watershed
David Crosby, VSU

Week 2, May 6 • 10 AM

Fish Biology

Fish Anatomy and Morphology • Reproduction •
Behavior • Species Characteristics
David Crosby, VSU • Brendan Delbos, DWR

Week 3, May 13 • 10 AM

Water Chemistry of Farm Ponds

Ionic interactions with muds and water •
Alkalinity • Hardness • pH • Oxygen
Other parameters • The role of phosphorous •
Muddy ponds
David Crosby, VSU

Week 4, May 20 • 10 AM

Aquatic Plants

Aquatic plant ecology • Aquatic Weeds and
controls • Algae • As a Habitat for Fish Population
*David Crosby, VSU • Cynthia Gregg, ANR Agent
Brunswick Co.*

Week 5, May 27 • 10 AM

Recreational Fish Management Part 1

Pond Balance • Predator-prey relationship
• Species to stock and not to stock • Fish
Structures • Spawning
David Crosby, VSU • Brendan Delbos, DWR

Week 6, June 3 • 10 AM

Recreational Fish Management Part 2

Fishing Records • Slot Limits • Feeding •
Fertilization program • Liming pond
David Crosby, VSU • Brendan Delbos, DWR

Week 7, June 10 • 10 AM

Impoundment Structure

Dam • Emergency spillway • Maintenance •
Watershed • Sediment Control
*Scott J. Thomas, P.E. Regional Dam Safety
Engineer Virginia Department of Conservation
and Recreation*

Week 8, June 17 • 10 AM

Fish Health and Predators

Diseases of Recreational Fish • Parasites of Fish
Bird-fish interactions • Otters, Beavers, and
Muskrats
*David Crosby, VSU • Jeffrey A. Rumbaugh, Staff
Wildlife Biologist USDA-APHIS-Wildlife Services*

Week 9, June 24 • 10 AM

Preserving the Catch

Food Safety • Cleaning and filleting fish • Proper
storage • Recipes

Week 10, July 1 • 10 AM

Farm Pond as Business

Fee fishing • Private Recreational use • Permits
David Crosby, VSU • Brendan Delbos, WR

Week 11, July 8 • 10 AM

Aquaculture for Small Impoundment

Production Systems • Processing Facilities •
Marketing • Permits
David Crosby, VSU • Theresa Nartea, VSU

Week 12, July 15 • 10 AM

Equipment for Pond Management

Water test kits • Demonstration of Use • Seines •
Lawn care equipment
David Crosby, VSU

