

2025 Overholt Drainage School

DATE: March 10 – 14, 2025

TIME: ALL DAY

LOCATION: The Ohio State University, Lima, Ohio

For registration, hotel, and more information, visit
go.osu.edu/ods25

Topics will include:

- Agricultural drainage basic concepts
- Topographic mapping and soil basics
- Drainage design, planning, and installation
- Drainage law and economics
- Conservation drainage and water quality
- Safety considerations for construction and utility protection

Come prepared to engage in a combination of lectures, hands-on activities, practical exercises and panel discussions.

Audience:

This event is intended for drainage contractors, professional engineers, consultants, district technicians, NRCS and agency professionals, landowners, students, and anyone interested in subsurface drainage design, maintenance and installation!



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

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TRAINING PROVIDED BY EXPERTS FROM

- The Ohio State University
- State and federal agencies
- Industry partners



UNIVERSITY COLLABORATORS

Overholt Drainage Education
and Research Program
Department of Food, Agricultural and
Biological Engineering
Ohio State University Extension

EXTERNAL COLLABORATORS

Ohio Department of Agriculture
Ohio Federation of Soil and Water
Conservation Districts
Ohio Land Improvement Contractors
Association
USDA-Agricultural Research Service
Soil Drainage Research Unit
County Engineers Association of Ohio

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2025 Overholt Drainage School - Agenda

Monday, March 10, 2025 | The Ohio State University, Lima, Ohio

Training Schedule and Topics

Day 1 - Monday, March 10 – 1:30PM to 4:30PM (Registration starts at 12:30PM)

(Day 1 is intended for those who do not have any background in topographic mapping and contour maps. For advanced users, day-1 is optional to attend)

- Topographic mapping basics
- Cover basics of topo mapping, drawing contours by hand
- Work off of grid maps, practice problems etc.

Day 2 - Tuesday, March 11 – 8:30AM (Registration starts at 7:30AM)

- Understanding drainage
- Introduction to drainage design – Planning, information & survey needs, design steps
- Modern ways to collect data for drainage design and installation (Survey, LiDAR, Google Earth), visualizing and reading contours and topographic maps

Day 3 - Wednesday, March 12 – 8AM to 5PM

- Hands-on drainage design problems and exercises
- Selecting drainage coefficient
- Estimating subsurface drain capacity, pipe sizing
- Economics of drainage, guidance for drainage projects on leased land

Day 4 - Thursday, March 13 – 8AM to 8PM *(5PM-8PM is extra time for class project)*

- The “art” of designing drainage and conservation drainage: System layouts, tips and tricks for planning and design of systems
- Drainage water management – design and installation considerations: Drainage and Water Quality, benefits of drainage water management, drainage water recycling, and automation
- Water and Drainage Law
- Safety: Safety of humans and machines at job site, Utilities safety

Day 5 - Friday, March 14 – 8AM to 4PM

- Class project presentations
- Quality Construction, troubleshooting - Presentations by drainage contractors
- Experienced Drainage Contractors panel
- Wrap up – closing remarks – survey