



WEED IDENTIFICATION AND CONTROL

Aaron Patton, Ph.D.

This nine-week course will provide a fundamental understanding of weed ecology, an overview of major cool- and warm-season weeds, and integrated pest management strategies for their control. The course will focus mainly on cool-season systems (75%) with additional warm-season examples and discussion (25%). Chemical management with a heavy emphasis on pesticide resistance and rotation will be covered. The latest university research findings will be emphasized.

WEEK 1: WEED CONTROL IN DIVERSE TURF AND LANDSCAPE SYSTEMS

Weeds in turfgrass systems & weed ID: When to control weeds discussion

WEEK 2: WEED BIOLOGY, ID & ECOLOGY; WEED CONTROL IN NATIVE AREAS

Weed ID, biology, ecology & weeds in natives: Most challenging weed discussion

WEEK 3: TURF HERBICIDES 101

Herbicide mechanisms & herbicide injury: Resistance management discussion

WEEK 4: HERBICIDE RESISTANCE

Herbicide resistance and history in the turf industry: Finding resistant weeds discussion

WEEK 5: SUMMER ANNUAL GRASSY WEEDS

Crab and goosegrass biology, ecology, and control: Why herbicides fail discussion

WEEK 6: ANNUAL BLUEGRASS CONTROL & LAWN WEED SCENARIOS

Annual bluegrass biology, ID & control plus lawn weeds: Annual bluegrass in lawns

WEEK 7: SEDGE CONTROL & ATHLETIC FIELD WEED CONTROL

Sedge biology, ID, and control plus weeds in athletic fields: Annual bluegrass in fields

WEEK 8: PERENNIAL GRASSY WEEDS AND ANNUAL BROADLEAVES

Biology, ecology, and management: Annual bluegrass in golf turf discussion session

WEEK 9: PERENNIAL BROADLEAF WEED CONTROL

Broadleaf weed biology and control: Discussion around weed control and pollinators

GreenKeeper University courses generally consist of two hours of lecture content each week for students to view at their convenience and one weekly ZOOM discussion.

THIS COURSE IS OFFERED FROM JAN 11 – MAR 12, 2021