



TURFGRASS FERTILIZATION

This course will cover turfgrass irrigation requirements, irrigation management strategies, technologies to measure water status and water more efficiently, the factors driving evapotranspiration and teach students how to create a water budget.

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Course Structure

This course is organized into three units. Each week will have a video lecture and a short 5- to -10 question quiz. Students should contact Doug with questions related to the course content or with questions about Masterio, quizzes, grades etc. The preferred method of communication is the instructors email listed above. Any general questions about GreenKeeper University should be directed to help@greenkeeperapp.com.

Course Content

All video lectures will be posted on the course's Masterio site (<http://gku.greenkeeperapp.com>). A PDF copy of the lecture materials will be posted below each video link. Supplemental readings will also be post below the video lectures, when applicable. The supplemental content is not required to pass the weekly quizzes. They are designed to provide additional information about a topic. Video lectures are approximately 45-60 minutes in length.

Weekly Quizzes

Each week concludes with a 5- to -10 question quiz. They are designed to emphasize the core concepts from the past week. Quiz questions are displayed one-at-a-time with immediate feedback to help student understand why an answer is correct or incorrect. While GreenKeeper University courses are not graded, students must earn a 70% on a quiz to pass that week. Quizzes can be taken as many times as possible to earn a passing grade.

The course will be completed, and 1 credit will be earned once a student passes all three quizzes.



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COURSE SCHEDULE

SECTION 1: BASIC TRAINING: PRINCIPLES OF SOIL WATER AND PLANT WATER USE

Lecture 1 – Measuring and estimating evapotranspiration.

Lecture 2 – Water budgeting and soil water characteristics.

SECTION 2: IRRIGATION BUDGETING, SCHEDULING, AND MANAGEMENT

Lecture 3 – Water conservation

Lecture 4 – Water management affects soil health

Lecture 5 – Irrigation optimization

SECTION 3: IRRIGATION WATER QUALITY AND MANAGING POOR WATER QUALITY

Lecture 6 – Wetting agents

Lecture 7 – Irrigation water quality