



INTEGRATED PEST MANAGEMENT IN TURFGRASS

This course focuses on turfgrass integrated pest management (IPM), the diagnostic process in turfgrass systems, resistance management, disease epidemiology, principles of disease management and cultural control strategies.

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Course Structure

This course is organized into six units. Each week will have a video lecture and a short 5- to -10 question quiz. Students should contact Jim 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 two credits will be earned once a student passes all six quizzes.



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COURSE SCHEDULE

- SECTION 1: INTRODUCTION TO INTEGRATED PEST MANAGEMENT**
What are diseases and integrated pest management.
- SECTION 2: TURFGRASS DIAGNOSTICS**
Learning how to diagnose plant diseases, sample for labs and how to interpret lab reports.
- SECTION 3: FUNGICIDE BASICS AND RESISTANCE MANAGEMENT**
What are fungicides and different classifications of fungicides.
- SECTION 4: FUNGICIDE RESISTANCE**
What is fungicide resistance, how it happens and how to prevent it from happening.
- SECTION 5: CULTURAL CONTROL**
What is cultural control, and disease epidemiology.
- SECTION 6: HOST RESISTANCE**
What is host plant resistance and how it functions.