

Graduate Module Outline

Title: Advanced Turfgrass Disease Identification, Cause and Control

Instructor: Dr. Kevin J. Sibley

Timing (month/year module will be offered): May 10 – June 18, 2010

Module Description:

This module will involve in-depth study of the identification and characterization of cool season turfgrass diseases, biotic and abiotic stressors as causal agents, and cultural, chemical and biological control strategies/methods. Particular emphasis will be placed on Dollar Spot, Snow Mold, Rust, Patch, and Fairy Ring diseases.

Reference Text: Smiley, R.W., P.H. Dernoeden, and B.B. Clarke. 2005. Compendium of Turfgrass Diseases. 3rd ed. The American Pathological Society, St. Paul, Minn., USA. 167pp.

Format:

A series of four 1.5 h classroom lectures/discussions will be held. There will be a combination of six field trips to several local golf courses and hand-on exercises at the Atlantic Turfgrass Research Centre (NSAC) for students to gain practical experience. Student self-study will also be required, culminating in the preparation and oral presentation of a comprehensive review paper on the identification, cause(s) and control(s) of one turfgrass disease of their choice.

Method of Evaluation: Hands-on exercises: 50%; Review paper: 40%, Oral presentation 10%.

Prerequisites (list undergraduate courses required as prerequisites): Undergraduate course in Turfgrass Science or Management, or permission of the instructor.