

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
HRT 118 - TURF PESTS (2 CR.)**

Course Description

Examines turf pests. Covers identification, morphology, and life cycles of insects and other animals, disease agents and weeds. Stresses diagnosis and management of specific turf pests common to our area. Lecture 1 hour. Laboratory 2 hours. Total 3 hours per week.

General Course Purpose

This course familiarizes students with the identification and control of pests of turf grasses.

Course Objectives

Upon completion of the course students should be able to:

- Describe the morphology and life cycles of general categories of turf pests.
- Identify specific turf pests, and recommend management strategies for them.
- Use the diagnostic process to determine turf problems not covered in class.

Major Topics to be Included

- a. Insects and other invertebrate pests: anatomy, morphology, classification
- b. Vertebrate pests: types and life cycles
- c. Plant pathogenic agents: morphology, classification and life cycles of fungi, bacteria, viruses and nematodes
- d. Weeds: Morphology and life cycles
- e. Integrated pest management; importance of correct diagnosis of problems, cultural pest controls, biological pest controls, regulatory pest controls, pesticides, and combining pest control methods