NEM 204 - NEMATODE MANAGEMENT

CRN: 63355 - 2 units, 176 Hutchison Hall

Monday 5:10 to 7:00 pm

SPRING QUARTER, 2013
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Grading will be based on (1) class participation and (2) submission of short, practical exercises. In addition to introducing concepts and principles, we will discuss current issues, review the exercises submitted, and obtain hands-on experience with techniques used in applied nematology. The practical exercises will utilize WWW and other resources and simulate real-life experiences of nematologists dealing with situations involving growers, PCA’s, Farm Advisors, government agencies, and the general public. If you have specific crop interests, the exercises can be tailored to those interests.

The link to our course website is:
https://smartsite.ucdavis.edu/access/content/user/00002950/courses/204NEM/204INDEXclass.htm

The course website contains links to PDFs of lecture Powerpoints, handouts, reading, and computer exercises.

We will cover the following topics:

APRIL 8: Review of Introductory Nematology and Recognizing a Nematode Problem
APRIL 15: Prevention of Nematode Problems
APRIL 22: Biological Control and Physical Management Techniques
IN CLASS EXERCISE: Interpret a diagnostic laboratory report.
APRIL 29: Cultural Management Techniques
MAY 6: Decisions and resources for nematode management – a guided tour of Nemaplex – Howard Ferris, Guest Lecture *will assign exercise
MAY 13: NO CLASS MEETING – Work on Computer Exercises
* Conduct a search of a pesticide use database (Computer Exercise)
* Conduct a search of a nematode-host database (Computer Exercise).
* Determine nematode degree days for a nematode-crop situation (Computer Exercise)
MAY 20: Chemical Management Techniques and Equipment and Methods Used to Apply Products to Soil
MAY 27: HOLIDAY
JUNE 3: Integrating Management Tactics and Nematode Field Trials.
IN CLASS EXERCISE: Perform a tomato root-gall rating.

*Written “report” required for these exercises