

NEM 204 - NEMATODE MANAGEMENT
CRN: 57397 - 2 units, 176 Hutchison Hall
Wednesday 1:10 to 3:00 pm
SPRING QUARTER, 2024

INSTRUCTOR: BECKY B. WESTERDAHL

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Grading will be based on (1) class participation, (2) submission of short, practical exercises, and (3) a short presentation designed to explain your research to an audience of growers. 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:

<http://bbwesterdahl.com/courses/204NEM/204INDEXclass.htm>

The course website contains links to PDFs of lecture Powerpoints, handouts, reading, and computer exercises. Please print out the PDFs of lectures and the handouts to refer to in class, or download them to a computer or other device that you can bring to class.

We will cover the following topics:

- APRIL 3:** Review of Introductory Nematology
- APRIL 10:** Recognizing a Nematode Problem Part 1
- APRIL 17:** Biological Control and Soil Health - Amanda Hodson, Guest Lecture
- APRIL 24:** Recognizing a Nematode Problem Part 2 - Zoom
- MAY 1:** Prevention of Nematode Problems and Physical Management Techniques - Zoom
- MAY 8:** Cultural Management Techniques
IN CLASS EXERCISE: Interpret a diagnostic laboratory report
- MAY 15:** Managing Nematodes With Soil Fumigation and Post Treatment Contact Nematicides – Kristi Sanchez, Guest Lecture
- MAY 22:** More on Chemical Management Techniques and Equipment and Methods Used to Apply Products to Soil
- MAY 29:** Integrating Management Tactics and Conducting Nematode Field Trials.
- JUNE 5:** Prepare a 10 - 20 minute presentation to explain your research to a grower audience.

Computer Exercises (due June 6 or before, submit a printout for each one):

1. Conduct a search of a nematode-host database
2. Determine nematode degree-days for a nematode-crop situation
3. Conduct a search of a pesticide use database