

Seminar on Integrated Nematode Management
ENY 6934, 1 credit
Spring 2022 (Zoom)

Instructor:

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Class period: Fridays (12:50-2:45).

Office hours: Immediately after class and at other times by appointment.

Course Description: This class is one of the seminar courses offered each semester in the Department of Entomology & Nematology to meet the core course requirements. The purpose of these seminars is to give students practice in preparing and presenting a seminar on a topic they work on and/or that interests them. Master's students are required to take one credit of seminar and PhD students take two credits. This seminar focuses on current topics in integrated nematode management.

Objectives and Goals:

- Understand the fundamental importance of integrated nematode management
- Learn the economic importance of specific plant-parasitic nematode problems on major food and industrial crops
- Learn about state-of-the-art management strategies to reduce specific nematode impacts as well as their limitations
- Become acquainted with specific case studies to illustrate impact in the field
- Learn to write brief summaries/abstracts of scientific seminars
- Gain practice in organizing and delivering a teaching-type seminar

A zoom link will be provided to students.

Topics to be covered:

During the first seven class periods, invited speakers consisting of a diverse group of internationally recognized plant nematologists will be covering a broad range and diversity of nematode management topics. These seminars will focus on integrated nematode management practices, including the use of chemical and biological control, resistant crop cultivars, cover crops, soil amendments, sanitation, field design and other cultural practices. The class will cover different cropping systems and global regions, including annual and perennial crops, and ranging from high-value plasticulture in FL and CA to subsistence farms in sub-saharan Africa, and everything in between. The class also aims to anticipate future changes in nematode management in response to disease pressure that might develop as a result of climate change, and/or as a result of new cropping systems and practices.

The first seven weeks speakers / instructors will lecture during the first half of the class and students will then lead discussions on the topic during the latter half of the class. Students are expected to write a brief summary/abstract of each seminar (max. 300 words) which needs to be submitted within 7 days after each seminar. From the eighth week until the end of the semester, students will each present a lecture which can be focused on their project and needs to include a link to integrated nematode management.

Lecture - Presentation Schedule

Week 1 (1/7)	General Introduction to integrated nematode management (INM)
Week 2 (1/14)	Invited seminar 1
Week 3 (1/21)	Invited seminar 2
Week 4 (1/28)	Invited seminar 3
Week 5 (2/4)	Invited seminar 4
Week 6 (2/11)	Invited seminar 5
Week 7 (2/18)	Invited seminar 6
Week 8 (2/25)	Invited seminar 7
Week 9 (3/4)	Summary of previous seminars and discussion
Week 10 (3/11)	<i>Spring break holiday</i>
Week 11 (3/18)	Student Presentation Topics
Week 12 (3/25)	Student Presentation Topics
Week 13 (4/1)	Student Presentation Topics
Week 14 (4/8)	Student Presentation Topics
Week 15 (4/15)	Student Presentation Topics

Student lectures and discussion sessions

Students will begin their presentations after spring break on March 18th. Students can focus their presentation on their research topic but need to incorporate a link to INM. Length of the presentation will depend on the number of students in the class (min 10' - max. 30').

Prerequisites: There are no formal prerequisites, however introductory coursework in Nematology is suggested.

Textbook: The suggested manual for this course is a new book titled 'Integrated Nematode Management, State-of-the-Art and Visions for the Future' published by CABI which will be available free online from November 2021. <https://www.cabi.org/bookshop/book/9781789247558/>

Grading: The class is a graded course for one credit. Requirements for a passing grade:

- There are no exams for the course.
- Grading is based on the seminar attendance (including participation in the discussions), seminar summaries and oral seminar presentation. Grading scale: $\geq 95 = A$; $94 \geq 90 = A-$; $89 \geq 87 = B+$; $86 \geq 83 = B$; $82 \geq 80 = B-$; $79 \geq 77 = C+$; $76 \geq 73 = C$; $72 \geq 70 = C-$; $69 \geq 67 = D+$; $63 \geq 63 = D$; $62 \geq 60 = D-$; $< 60 = E$.
- Miss no more than one seminar.

Critical Dates for Exams or Other Work: Student presentations will begin March 11th. We will draw numbers to determine presentation order. After the drawing, you may switch dates with another student if you wish.

Policy Related to Class Attendance: Attendance is mandatory, both instructor and student presentations.

Policy Related to Make-Up Exams or Other Work: Missed presentations cannot be made up except in the case of prior excused absence or family or medical emergencies.

Additional General Information: The following information applies to all courses at the University of Florida.

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standard of honesty and integrity.

Academic Honesty: As a result of completing the registration form at the University of Florida, every student has signed the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

Copyrighted Materials and Software Use: All students are required and expected to obey the laws and legal agreements governing copyrighted material and software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.

Accommodations for Students with Disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

University Counseling Services: Resources are available on-campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance. These resources include:

1. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling;
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling;
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual counseling; and
4. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.