

**COURSE SYLLABUS for NEM 5707 — PLANT NEMATODOLOGY, Fall Semester**

**PROFESSOR:** Dr. Don W. Dickson  
Room 2212, Steinmetz Hall (Entomology & Nematology Building), Natural Area Drive

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**LABORATORY ASSISTANTS:** Staff

**LECTURES:** 2<sup>nd</sup> period, 8:30 – 9:20 am Monday and Wednesday  
7<sup>th</sup> period, 1:55 – 2:45 pm Wednesday  
Room 2217

**LABORATORY:** 8<sup>th</sup> and 9<sup>th</sup> periods, 3:00 – 4:55 Wednesday  
Room 2217

**OBJECTIVE:** To provide an overview of plant nematology with an emphasis on diseases caused by plant-parasitic nematodes.

**LECTURE SUBJECTS COVERED:**

History, morphology and anatomy, growth and development, ecology and population dynamics, identification and classification, plant diseases induced by nematodes, life and disease cycles, interactions, and management strategies: avoidance, cultural, physical, biological and chemical.

**LABORATORY SUBJECTS COVERED:**

Sampling, soil and root extraction, morphology and identification, estimating population densities, field symptoms, plant symptoms and signs, host differential test, molecular tools for identification, and nematicide application techniques.

**EXAMINATIONS:**

Biweekly 10-minute quizzes on lecture material, laboratory quizzes, drawing nematode showing morphology, and mid-term and final examinations.

**FINAL EXAMINATION SCHEDULE:** To be determined

**FINAL GRADE:** Biweekly lecture quizzes = 25% (lowest quiz grade dropped); laboratory nematode drawing = 5%; laboratory quizzes = 10%; mid-term = 30%; final examination = 30%.

**GRADING SCALE:**

A	=	92–100 %
B+	=	88–91 %
B	=	82–87 %
C+	=	78–81 %
C	=	72–77 %
D+	=	68–71 %
D	=	62–67 %
F	=	61 or less

Revised August 2013