COURSE SYLLABUS for NEM 5707 — PLANT NEMATOLOGY, 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:  2nd period, 8:30 – 9:20 am Monday and Wednesday
7th period, 1:55 – 2:45 pm Wednesday  
Room 2217

LABORATORY:  8th and 9th 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:
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\begin{array}{c|c}
\text{Grade} & \text{Percentage} \\
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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 \\
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Revised August 2013