

Dr. Bruce B. Clarke
 Extension Specialist
 Plant Pathology
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Class Period
 Tuesdays (8:30 AM – 1:30 PM)
 Room 194, Foran Hall
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2008 PLANT DISEASE CLINIC SYLLABUS (16:765:536)

Date	Lecture Topic	Demonstration Topic
July 3 (Thursday)	Introduction: Disease Diagnostic Strategies	Sample Collection, Preservation, Reporting/Semi-permanent Slide Mounts/Utilizing References/ Campus Tour
July 8	Tree and Small Fruit Diseases	Selective Media and Baiting Techniques Used for the Isolation of <u>Phytophthora</u> and <u>Pythium</u> spp. (Jennifer Vaiciunas)
July 12 (Saturday)	Cranberry & Blueberry Disease Field Trip (Dr. Peter Oudemans; Philip E. Marucci Center for Blueberry and Cranberry Research and Extension)	Bring lunch, adequate drinking water, and plastic bags for sample collection. Meet at the Plant Biology & Pathology Greenhouses at 7:30 AM; Return 5:00 PM
July 15	Vegetable Diseases	Utilizing Real-Time PCR to Identify Pathogens in Plant Material. (Melinda Moy)
July 19 (Saturday)	Tree Fruit and Vegetable Disease Field Trip (Dr. Andy Wyenandt and Dr. Norman Lalancette; Rutgers Research and Development Station, Upper Deerfield, NJ)	Bring lunch, adequate drinking water, and plastic bags for sample collection. Meet at the Plant Biology & Pathology Greenhouses at 7:30 AM; Return 6:00 PM
July 22	Turfgrass Diseases: Foliar and Root Pathogens	Molecular Approaches to Pathogen Identification: Demonstration and Discussion (JoAnne Crouch). ELISA, DAPI staining, etc. – J. Crouch, M. Bergen, and B.B. Clarke
July 29	Golf Turf Research Field Day (Optional – Hort Farm II)	Registration 8:00 AM; Research Tours 9:00 AM – 1:00 PM. Free lunch 1:00 PM (indicate at registration desk that you are a student in my class).

Date	Lecture Topic	Demonstration Topic
July 30 (Wednesday)	Landscape Turf Research Field Day (Optional – Adelphia)	Registration 8:00 AM. Research Tours 9:00 AM – 1:00 PM. Free lunch 1:00 PM (indicate at registration desk that you are a student in my class)
July 31 (Thursday)	Tree and Shrub Diseases (Dr. Ann B. Gould)	Rutgers Plant Disease Diagnostic Laboratory (Richard Buckley) / Common Diagnostic Procedures / Selective Media, etc. and Diagnostic Tips for the Identification of Plant Diseases
August 2 (Saturday)	Longwood Gardens Field Trip – Dr. Casey Sclar (IPM Specialist) Kennett Square, PA	Bring lunch and plastic bags for sample collection. Meet at the Plant Biology and Pathology Greenhouses at 7:30 AM; Return 5:00 PM
August 5	Field and Forage Crop Diseases	Identifying viral diseases (Dr. Bradley Hillman)
August 9 (Saturday)	Field Crop Disease Trip – (Dr. John Grande, Director, Snyder Research and Extension Farm; Ed Dager, Farm Super., Pittstown, NJ)	Bring lunch, water, and plastic bags for sample collection. Meet at the Plant Biology & Pathology Greenhouses at 7:30 AM; Return 3:00 PM
August 12	Greenhouse Plant Diseases	Bacterial Plant Pathogens (Dr. Donald Kobayashi)
August 14 (Thursday)	Major Insect Pests Associated with Turf (Dr. Albrecht Koppenhöfer) and Ornamentals (Dr. Jim Lashomb)	Final Exam – No demonstration on this date, only 3 samples required. Educational Survey.