

**SYLLABUS – 21 Apr 2009**  
**INSECTS AND DISEASES IN FOREST RESOURCE MANAGEMENT**  
**FOR/ENTOM/PLPATH 500, Fall 2007**  
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<b>Day, Date</b>	<b>Lecture</b>	<b>Reading<sup>1,2</sup></b>	<b>Laboratory</b>
Wed, Sep 2	Stanosz: Course Organization and Objectives Intro. to Forest Pest Management Roles of Microorganisms in Forests Intro. to Plant Disease	M:1	
Fri, Sep 4	Stanosz: Sep 2 topics (continued) Plant Pathogenic Fungi (structure, growth and development, function, classification)	M:8	
Mon, Sep 7	Labor Day - No Lecture		No Laboratory
Wed, Sep 9	Stanosz: Plant Pathogenic Fungi (continued)	M:8	
Fri, Sep 11	Raffa: Roles of Insects in Forests Diversity and Classification of Insects		
Mon, Sept 14	Raffa: Insect Structure and Function Growth and Development, Major Orders of Insects		Arboretum Field Trip
Wed, Sep 16	Raffa: Major Orders of Insects (continued)		
Fri, Sep 18	Raffa: Population Dynamics		
Mon, Sep 21	Raffa: Principles and Tactics of Insect Pest Mgmt.		Introduction to Entomology
Wed, Sept 23	Raffa: Root Insects		
Fri, Sept 25	Raffa: Root Insects (continued)		
Mon, Sep 28	Stanosz: Foliage and Shoot Diseases	M:10	Introduction to Fungi
Wed, Sep 30	Stanosz: Foliage and Shoot Diseases (continued)		
Fri, Oct 2	Stanosz: Vascular Wilts and Stain Fungi	M:13, 16	
Mon, Oct 5	Stanosz: Vascular Wilts and Stain Fungi (continued) The Pine Wilt Nematode	M:5	Root Insects, Foliage Diseases
Wed, Oct 7	Lecture Exam 1 (2 Sep. – 30 Sep. lectures)		
Fri, Oct 9	Raffa: Bark Beetles		
Mon, Oct 12	Raffa Bark Beetles (continued)		Spring Green Field Trip
Wed, Oct 14	Raffa Bark Beetles (continued)		

<sup>1</sup>M refers to Manion, P. D., 1991. *Tree Disease Concepts*, Prentice-Hall

Fri, Oct 16	Raffa: Bark Beetles (continued)		
Mon, Oct 19	Raffa: Wood Borers		Bark beetles, Vascular Wilts and Stain Fungi
Wed, Oct 21	Stanosz: Rusts	M:11	
Fri, Oct 23	Stanosz: Rusts (continued)		
Mon Oct 26	Stanosz: Mycorrhizae	M:9	Wood Borers, Rust Fungi
Wed, Oct 28	Stanosz: Soilborne Nursery and Fine Root Fungi Nematodes as Root Pathogens	M:21 M:5	
Fri, Oct 30	Stanosz: Phytophthora Pathogens in the Forest		
Mon, Nov 2	Stanosz: Viruses, Bacteria, and Phytoplasmas	M:6, 7	Lab Exam 1
Wed, Nov 4	Lecture Exam 2		
Fri, Nov 6	Stanosz: Stem Cankers	M:12	
Mon, Nov 9	Stanosz: Parasitic Vascular Plants	M:17	Cankers, Parasitic Vascular Plants
Wed, Nov 11	Stanosz: Introduction to Wood Decay The Compartmentalization of Decay Model		
Fri, Nov 13	Stanosz: Stem Decays	M:14	
Mon, Nov 16	Stanosz: Root Rots	M:16	Stem Decays and Root Rots
Wed, Nov 18	Raffa: Tree Responses to Defoliation		
Fri, Nov 20	Raffa: Insect Defoliators of Hardwoods		
Mon, Nov 23	Raffa: Insect Defoliators of Hardwoods (continued)		Coon Rock Road Field Trip
Wed, Nov 25	Raffa: Insect Defoliators of Conifers		
Fri, Nov 27	Thanksgiving Recess, No Lecture		
Mon, Nov 30	Raffa: Insect Defoliators of Conifers (continued)		Insect Defoliators
Wed, Dec 2	Raffa: Sap Feeding Insects		
Fri, Dec 4	Raffa: Sap Feeding Insects (continued)		
Mon, Dec 7	Raffa: Tip, Cone & Gall Insects		Sap, Tip, Cone & Gall insects Papers, Projects, Collections Due
Wed, Dec 9	Stanosz: Abiotic Agents	M:2-4	
Fri, Dec 11	Stanosz: Decline Diseases	M:18	
Mon, Dec 14	Lecture Exam 3 (5 Nov. - 11 Dec. lectures)		Lab Exam #2

