

CURRICULUM VITAE

NAME

Tisserat, Ned A

ADDRESS

Plant Sciences

PHONE

(970) 491-6527

EDUCATION

1982 Ph D, University of Wisconsin, Madison

1978 MS, Texas A & M University, College Station

1976 BS, COLORADO STATE UNIVERSITY

OTHER POSITIONS

2004 - Present Professor and Extension Specialist, Colorado State University.

1997 - 2004 Professor and Extension, Kansas State University.

1990 - 1997 Associate Professor and Extension Specialist, Kansas State University.

PUBLISHED WORKS

Refereed Journal Articles

Schwartz, H. F., Alston, D., Alwang, J., Bartolo, M. E., Blunt, T. D., Boateng, C., Bunn, B., Cramer, C., Cranshaw, W. S., Davidson, J. W., Derie, M., Douce, K., Drost, D., du Toit, L., Gour, T., Gugino, B., Hammon, B., Hardin, J. G., Hausbeck, M., Jibilian, G., Lafferty, J., LaForest, J., McMillan, M. S., Mohan, K., Morrice, J., Nault, B., Nischwitz, C., Norton, G., Otto, K., Pappu, H., Petersen, M., Sampangi, R., Schroeder, B., Secor, W., Szostek, S., Tisserat, N. A., Uchanski, M., VanKirk, J., Waters, T., Wiriyaitsomboon, P., Wohleb, C. (2014). Onion ipmPIPE: A coordinated effort to improve the management of onion thrips and Iris yellow spot virus for onion growers and their industry. *APS Plant Health Progress*, 15, 172-183. <http://www.apsnet.org/publications/apsnetfeatures/Documents/2014/PHP-FE-14-0026.pdf> (Published: November 12, 2014)

(2013). Virus-induced gene silencing of *Arabidopsis thaliana* gene homologues in wheat identifies genes conferring improved drought tolerance. *Journal of Experimental Botany* doi: 10.1093/jxb/ert003. (Published: 2013)

Manmathan, H. K., Shaner, D., Snelling, J., Tisserat, N. A., Lapitan, N. L. (2013). Virus-induced gene silencing of *Arabidopsis thaliana* gene homologues in wheat identify genes conferring improved drought tolerance. *J Exp Bot*, 64, 1381-92. (Published: January (1st Quarter/Winter) 30, 2013)

(2012). Carbohydrate-Active Enzymes in *Pythium* and Their Role in Plant Cell Wall and Storage Polysaccharide Degradation. *PLOS ONE* (submitted). (Published: 2012)

(2012). Comparative genomics reveals insight into virulence strategies of plant pathogenic oomycetes. *PLOS*

- Genetics (submitted)*. (Published: 2012)
- (2012). Effect of *Geosmithia morbida* isolate and temperature on canker development in black walnut. *Plant Health Progress* doi:10.1094/PHP-2012-0618-01-RS. (Published: 2012)
- (2012). Leaf spotting of Turkish filbert in Colorado caused by *Xanthomonas arboricola* pv *corylina* and *Pseudomonas syringae* pv *syringae*. *Plant Health Progress* doi:10.1094/PHP-2012-0517-01-BR. (Published: 2012)
- (2012). Occurrence and distribution of Triticum mosaic virus in the central Great Plains. *Plant Dis*, 97, 21-29. (Published: 2012)
- (2012). Susceptibility of walnut and hickory species to *Geosmithia morbida*. *Plant Disease (in press)*. (Published: 2012)
- (2012). Virus-induced gene silencing of *Arabidopsis thaliana* gene homologues in wheat identifies genes conferring improved drought tolerance. *Journal of Experimental Botany* doi: 10.1093/jxb/ert003. (Published: 2012)
- (2011). Genomic analysis of *Xanthomonas oryzae* isolates from rice grown in the United States reveals substantial divergence from known *X oryzae* pathovars. *Appl Envir Microbiol*, 77, 3930 - 3937. (Published: 2011)
- (2011). The Comprehensive Phytopathogen Genomics Resource: A web-based resource for data-mining plant pathogen genomes. doi: 10.1093/database/bar053. (Published: 2011)
- (2011). Thousand cankers disease is widespread in black walnut in the western United States. *Plant Health Progress* doi:10.1094/PHP-2011-0630-01-BR. (Published: 2011)
- (2010). First Report of Rapid Blight Caused by *Labyrinthula terrestris* on *Poa annua* in Colorado. *Plant Dis*, 94, 919-919. (Published: 2010)
- (2010). Genome sequence of the necrotrophic plant pathogen *Pythium ultimum* reveals original pathogenicity mechanisms and effector repertoire. *Genome Biology* 2010, 11:R73 doi:10.1186/gb-2010-11-7-r73. (Published: 2010)
- (2010). Genomics-Based Diagnostic Marker Development for *Xanthomonas oryzae* pv *oryzae* and *X oryzae* pv *oryzicola*. *Plant Dis*, 94, 311-319. (Published: 2010)
- (2009). Black walnut mortality in Colorado caused by the walnut twig beetle and thousand cankers disease. *Phytopathology*, 99, S128-S128. (Published: 2009)
- (2009). Evaluation of fungicide sensitivity of *Typhula ishikariensis* and *Typhula incarnata* to fludioxonil, propiconazole and chlorothalonil. *Phytopathology*, 99, S13-S13. (Published: 2009)
- (2009). Genomics based diagnostic marker development for *Xanthomonas oryzae* pv *oryzae* and *X oryzae* pv *oryzicola*. *Phytopathology*, 99, S69-S69. (Published: 2009)
- (2009). Susceptibility of *Juglans* and *Carya* species to *Geosmithia*; a cause of thousand cankers disease. *Phytopathology*, 99, S133-S133. (Published: 2009)
- (2009). The *Geosmithia* causing thousand cankers disease of walnut is a new species. *Phytopathology*, 99, S37-S37. (Published: 2009)

- (2008). Analysis of the *Pythium ultimum* transcriptome. *Phytopathology*, 98, S38-S38. (Published: 2008)
- (2008). Analysis of the *Pythium ultimum* transcriptome using Sanger and Pyrosequencing approaches. *Bmc Genomics*, 9. (Published: 2008)
- (2008). Nucleic acid-based pathogen detection in applied plant pathology. *Plant Dis*, 92, 660-669. (Published: 2008)
- (2008). The effect of nitrogen, sulfur and fungicide applications on the severity of necrotic ring spot of Kentucky bluegrass. *Phytopathology*, 98, S25-S25. (Published: 2008)
- (2007). A comprehensive genome-based diagnostics resource and pipeline for identification of threatening plant pathogens. *Phytopathology*, 97, S14-S15. (Published: 2007)
- (2007). An interactive, multi-entry key for diagnosing arthropod pests, diseases, and abiotic disorders associated with the production of wheat. *Phytopathology*, 97, S59-S59. (Published: 2007)
- (2007). Development of diagnostic molecular markers for rapid identification of *Xanthomonas oryzae* pv *oryzae* and *X-oryzae* pv *oryzicola* using conventional and multiplex PCR. *Phytopathology*, 97, S61-S61. (Published: 2007)
- (2007). First report of summer patch of kentucky bluegrass caused by *Magnaporthe poae* in Colorado. *Plant Dis*, 91, 1519-1519. (Published: 2007)
- (2007). Persistence of chlorothalonil under snow cover and its relationship to gray snow mold development on a golf course fairway. *Phytopathology*, 97, S11-S11. (Published: 2007)
- (2007). Quantifying the effects of lance nematode parasitism in creeping bentgrass. *Plant Dis*, 91, 1170-1179. (Published: 2007)
- (2007). The effect of fertilizer and fungicide applications on the severity of necrotic ringspot of Kentucky bluegrass. *Phytopathology*, 97, S13-S13. (Published: 2007)
- (2006). A comprehensive genome-based diagnostics resource and pipeline for identification of threatening plant pathogens. *Phytopathology*, 96, S17-S17. (Published: 2006)
- (2006). Chlorine management of *Pythium* zoospores measured by oxidation reduction potential. *Phytopathology*, 96, S64-S64. (Published: 2006)
- (2006). Effect of snow removal on gray snow mold development at high altitude golf courses in Colorado. *Phytopathology*, 96, S13-S13. (Published: 2006)
- (2006). Evaluation of calcium silicate for brown patch and dollar spot suppression on turfgrasses. *Crop Sci*, 46, 1635-1643. (Published: 2006)
- (2006). Population dynamics of the lance nematode (*Hoplolaimus galeatus*) in creeping bentgrass. *Plant Dis*, 90, 44-50. (Published: 2006)
- (2006). Relationship of gray snow mold development in Kentucky bluegrass to persistence of chlorothalonil under snow cover. *Phytopathology*, 96, S13-S13. (Published: 2006)
- (2005). Effect of cold acclimation and freezing on spring dead spot severity in bermudagrass. *Hortscience*, 40, 421-423. (Published: 2005)

- (2005). First report of brown stripe of saltgrass caused by *Bipolaris heveae* in Colorado. *Plant Dis*, 89, 913-913. (Published: 2005)
- (2005). Overexpression of rice TLPD34 enhances dollar-spot resistance in transgenic bentgrass. *Plant Sci*, 168, 671-680. (Published: 2005)
- (2004). Genetic diversity and aggressiveness of *Ophiosphaerella korrae*, a cause of spring dead spot of bermudagrass. *Plant Dis*, 88, 1341-1346. (Published: 2004)
- (2004). Suppression of Septoria Leaf Spot Disease of Tomato Using Aerated Compost Tea. *Hortscience*, 39, 831-831. (Published: 2004)
- (2003). Dollar spot and brown patch incidence in creeping bentgrass as affected by acibenzolar-S-methyl and biostimulants. *Hortscience*, 38, 1223-1226. (Published: 2003)
- (2003). First report of *Gaeumannomyces graminis* var *graminis* on kikuyugrass (*Pennisetum clandestinum*) in the United States. *Plant Dis*, 87, 600-600. (Published: 2003)
- (2001). Development of brown patch and Pythium blight in tall fescue as affected by irrigation frequency, clipping removal, and fungicide application. *Plant Dis*, 85, 543-546. (Published: 2001)
- (2001). Dollar spot and brown patch fungicide management strategies in four creeping bentgrass cultivars. *Crop Sci*, 41, 1190-1197. (Published: 2001)
- (2001). Spring dead spot resistance and quality of seeded bermudagrasses under different mowing heights. *Crop Sci*, 41, 451-456. (Published: 2001)
- (2000). Condition of green ash, incidence of ash yellows phytoplasmas, and their association in the Great Plains and Rocky Mountain regions of North America. *Plant Dis*, 84, 268-274. (Published: 2000)
- (1999). Geographic distribution and genetic diversity of three *Ophiosphaerella* species that cause spring dead spot of bermudagrass. *Plant Dis*, 83, 1160-1166. (Published: 1999)
- (1999). Molecular evidence for the presence of *Ophiosphaerella narmari* n comb, a cause of spring dead spot of Bermuda grass, in North America. *Mycol Res*, 103, 981-989. (Published: 1999)
- (1998). Assessing irrigation management for its effects on disease and weed levels in perennial ryegrass. *Crop Sci*, 38, 440-445. (Published: 1998)
- (1998). Bermudagrass resistance to spring dead spot caused by *Ophiosphaerella herpotricha*. *Plant Dis*, 82, 771-774. (Published: 1998)
- (1997). A vascular wilt of fragrant sumac caused by *Fusarium oxysporum*. *Plant Dis*, 81, 1333-1333. (Published: 1997)
- (1994). Bacterial Leaf-Spot of Statice Caused by *Pseudomonas-Andropogonis*. *Plant Dis*, 78, 1218-1218. (Published: 1994)
- (1994). Influence of Management-Practices on Rhizoctonia Large Patch Disease in Zoysiagrass. *Hortscience*, 29, 186-188. (Published: 1994)
- (1994). Metabolites of *Ophiosphaerella-Herpotricha*, a Cause of Spring Dead Spot of Bermudagrass. *Mycopathologia*, 128, 155-159. (Published: 1994)

- (1994). Selective Amplification of Rdna Internal Transcribed Spacer Regions to Detect Ophiosphaerella-Korrae and O-Herpotricha. *Phytopathology*, 84, 478-482. (Published: 1994)
- (1993). Identification of Ophiosphaerella-Herpotricha by Cloned DNA Probes. *Phytopathology*, 83, 97-102. (Published: 1993)
- (1993). Pathogenicity of Rhizoctonia-Solani Ag-2-2 and Ophiosphaerella-Herpotricha on Zoysiagrass. *Plant Dis*, 77, 1040-1044. (Published: 1993)

Refereed Chapters in Books

- Leach, J. E., Leung, H., Tisserat, N. A. (2014). *Disease and Resistance* (vol. 4, pp. 360-374). Elsevier, New York: Encyclopedia of Agriculture and Food Systems. (Published: October (4th Quarter/Autumn) 2014)

Non-Refereed Journal Articles

- Manmathan, H. K., Shaner, D., Snelling, J., Tisserat, N. A., Lapitan, N. L. (2013). Virus-induced gene silencing of Arabidopsisthaliana gene homologues in wheat identifies genes conferring improved drought tolerance. *Journal of Experimental Botany*, 64(5), 1381-1392. (Published: 2013)
- (2010). *DNA barcode, genomics and phylogenetics of Pythium species* (vol. 100, pp. S153). *Phytopathology*. (Published: 2010)
- (2010). *Sequence data of Xanthomonas strains isolated from US rice fields reveals substantial divergence from Xanthomonas oryzae pvs oryzae and oryzicola*. 2010 APS Meeting. (Published: 2010)

AES Report/Bulletin

- Johnson, J. J., Haley, S. D., Sauer, S. M., Larson, K., Bartolo, M. E., Davidson, J. W., Peairs, F. B., Tisserat, N. A., Westra, P., Davis, J. G., Novak, R. A., Vigil, M., Mostek, G., Bosley, B., Meyer, R., Trujillo, W., Irell, B. *Making better decisions: 2012 Colorado wheat variety performance trials*. (vol. TR13-4, pp. 51). Fort Collins, CO: AES.

Abstract

- Blunt, T. D., Tisserat, N. A., Koski, A. J. (2014). *Persistence of the Fungicides Chlorothalonil and Fludioxonil Under Snow Cover*. American Society for Horticultural Science. <https://ashs.confex.com/ashs/2014/webprogramarchives/Paper18560.html> (Published: July (3rd Quarter/Summer) 2014)

Technical Report

- Young, D. J., Tisserat, N. A., Schwartz, H. F., Camper, M. A. (2011). *Extension Integrated Pest Management – Coordination and Support Program for Colorado*. USDA CRIS Report. (Published: February 1, 2011)

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

- July 9, 2014, "Loop mediated isothermal amplification (LAMP) for detection and identification of Xanthomonas translucens and its pathovars cerealis, poae, translucens and undulosa", 2014 APS Pacific Division Meetings, Langlois, P., Snelling, J., Bragard, C., Koebnik, R., Verdier, V., Leach, J. E., Tisserat, N. A., Bozeman, MT.

- 2011, "Adapting synthetic gene circuits for

plant-based detection of pathogen
indicators: A test case

L. R. TRIPLETT (1), K. J. Morey (1), K.
D. Albrecht (1), M. Ionescu (2), J. E.
Leach (1), S. E. Lindow (2), N. A.
Tisserat (1), J. I. Medford (1)
(1) Colorado State University, Fort
Collins, CO, U.S.A.; (2) University of
California, Berkeley, Berkeley, CA,
U.S.A.
Phytopathology 101:S178".

2011, "Attraction of *Pityophthorus juglandis*
adults and larvae to *Geosmithia morbida*
E. Peachey, N. Tisserat, W. Cranshaw
ESA Meeting, Reno NV. December 2011", Student, G.

2011, "Crop Diseases; CSU Extension Workshop,
Brush CO, December 2011".

2011, "Development of molecular diagnostic
markers for *Xanthomonas translucens*
J. Snelling (1), J. Hamilton (2), T.
Adhikari (3), V. M. Verdier (1), C.
Bragard (4), E. Duveiller (5), N.
TISSERAT (1), C. Buell (2), J. E. Leach
(1)
(1) Colorado State University, Fort
Collins, CO, U.S.A.; (2) Michigan State
University, East Lansing, MI, U.S.A.;
(3) North Dakota State University,
Fargo, ND, U.S.A.; (4) UCL, Louvain-la-
Neuve, BELGIUM; (5) CIMMYT, Mexico
D.F., MEXICO
Phytopathology 101:S168".

2011, "Effect of freezing temperatures on
survival of the walnut twig beetle
(*Pityophthorus juglandis*) E.K. Peachey,
Colorado State University ; N.
Tisserat, Colorado State University ;
Whitney Cranshaw, Colorado State
University D0259 ESA Annual Meeting,
Reno NV.
December 2011.", Student, G.

2011, "Forest nursery diseases, Western Forest
Nursery Conference, Denver, August 2011".

2011, "Genome and transcriptome analysis of
Geosmithia morbida
M. M. ZERILLO (1), K. Woeste (2), J.
Snelling (1), N. Tisserat (1)
(1) Colorado State University, Fort

Collins, CO, U.S.A.; (2) Department of Forestry and Natural Resources / Purdue University, West Lafayette, IN, U.S.A. Phytopathology 101:S201".

2011, "Kermes scale (*Allokermes* sp.) and the drippy nut pathogen (*Brenneria quercina*) associated with a decline of red oak species in Colorado
J. Snelling (1), N. A. TISSERAT (1), W. Cranshaw (1)
(1) Colorado State University, Fort Collins, CO, U.S.A.
Phytopathology 101:S168".

2011, "New Tree Diseases, ISA meeting, Greeley, CO Feb 2011", (Presenter).

2011, "Persistence of the walnut twig beetle in black walnut logs as influenced by chemical and cultural treatments
E. Peachey (1), W. Cranshaw (1), N. TISSERAT (1)
(1) Colorado State University, Fort Collins, CO, U.S.A.
Phytopathology 101:S138", Student, G.

2011, "Population structure of *Geosmithia morbida* in the United States is complex
M. M. ZERILLO (1), K. Woeste (2), E. Freeland (1), S. Seybold (3), W. Cranshaw (1), N. Tisserat (1)
(1) Colorado State University, Fort Collins, CO, U.S.A.; (2) Department of Forestry and Natural Resources / Purdue University, West Lafayette, IN, U.S.A.; (3) USDA Forest Service, Davis, CA, U.S.A.
Phytopathology 101:S201".

2011, "Temperature and fungal isolate influence canker development in black walnut caused by *Geosmithia morbida*
E. Freeland (1), W. Cranshaw (1), N. TISSERAT (1)
(1) Colorado State University, Ft. Collins, CO, U.S.A.
Phytopathology 101:S55", Student, G.

2011, "Thousand Cankers Disease, National Plant Diagnostic Lab, Berkeley CA November 2011", (Presenter).

2011, "Thousand Cankers Disease, USDA Forest

Service, Annapolis MD. January 2011", (Presenter).

2011, "Thousand Cankers, Northern Nut Growers, Logan UT, July 2011", (Presenter).

2011, "Thousand Cankers, Walnut Council, West Lafayette IN, March 2011", (Presenter).

2011, "Thousand Cankers, Western International Insect and Disease Workshop Portland OR, May 2011", (Presenter).

2011, "Thousand Cankers. Continental Dialog on Emerging Pests. Boulder, October 2011", (Presenter).

2011, "Thousand Cankers. Webinar, Ohio Foresters, June 2011", (Presenter).

2011, "Turf Diseases International Society Arboriculture, Colorado Div. Denver CO, 2011", (Presenter).

2011, "Turf Diseases, CALCP, Denver Colorado, March 2011".

2011, "Turf Diseases, ProGreen, Denver CO, Feb 2011", (Presenter).

2011, "Typhula ishikariensis and Typhula incarnata vary in sensitivity to fludioxonil, propiconazole and chlorothalonil
T. BLUNT (1), G. Brunk (1), N. Tisserat (1)
(1) Colorado State University, Fort Collins, CO, U.S.A.
Phytopathology 101:S17", Student, G.

2010, "Tisserat, N. Emerging Turf diseases. RMRTA, Denver CO. 2010", (Presenter).

2010, "Tisserat, N. Thousand Cankers Disease. Durham, N.C. Annual Gypsy Moth Forum Nov 2010", (Presenter).

2010, "Tisserat, N. Thousand Cankers Disease. Iowa Tree Short Course. Ames, Iowa. Feb 2010.", (Presenter).

2010, "Tisserat, N. Thousand Cankers Disease. National Webinar. October 2010.", (Presenter).

2010, "Tisserat, N. Tree disease update. ISA

training. Ft. Collins. June 2010."

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(2010). Commercial Pesticide Applicators.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2015	Spring	BSPM798 - Research	18	9
2014	Fall	BSPM799 - Dissertation	18	5
2014	Spring	BSPM361 - Elements of Plant Pathology	3	71
2014	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	23
2014	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	24
2014	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	24
2014	Spring	BSPM698 - Research	18	7
2014	Spring	BSPM798 - Research	18	9
2013	Fall	BSPM798 - Research	18	11
2013	Spring	BSPM799 - Dissertation	18	6
2013	Spring	BSPM361 - Elements of Plant Pathology	3	57
2013	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	20
2013	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	19
2013	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	18
2013	Spring	BSPM798 - Research	18	8
2013	Spring	BSPM784 - Supervised College Teaching	3	2
2012	Fall	BSPM799 - Dissertation	18	5
2012	Fall	BSPM698 - Research	18	7
2012	Fall	BSPM798 - Research	18	10
2012	Fall	BSPM699 - Thesis	18	3
2012	Spring	BSPM799 - Dissertation	18	7
2012	Spring	BSPM361 - Elements of Plant Pathology	3	67
2012	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	22
2012	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	24
2012	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	21
2012	Spring	BSPM698 - Research	18	10
2012	Spring	BSPM699 - Thesis	18	2
2011	Fall	BSPM799 - Dissertation	18	7
2011	Fall	BSPM495 - Independent Study	3	2
2011	Fall	BSPM698 - Research	18	9
2011	Fall	BSPM798 - Research	18	8
2011	Spring	BSPM799 - Dissertation	18	5
2011	Spring	BSPM361 - Elements of Plant Pathology	3	44
2011	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	16
2011	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	15
2011	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	13
2011	Spring	BSPM580A2 - Plant Pathogenic Fungi	3	6
2011	Spring	BSPM580A2 - Plant Pathogenic Fungi - Lab	0	6
2011	Spring	BSPM798 - Research	18	12
2010	Fall	BSPM799 - Dissertation	18	5
2010	Fall	BSPM594 - Independent Study	3	1
2010	Fall	BSPM698 - Research	18	18
2010	Fall	BSPM798 - Research	18	12
2010	Summer	BSPM698 - Research		3
2010	Spring	BSPM361 - Elements of Plant Pathology	3	44

2010	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	20
2010	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	14
2010	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	10
2010	Spring	BSPM698 - Research	18	14
2010	Spring	BSPM798 - Research	18	10
2010	Spring	BSPM784 - Supervised College Teaching	3	2
2010	Spring	BSPM699 - Thesis	18	6
2009	Fall	BSPM799 - Dissertation	18	4
2009	Fall	BSPM699 - Thesis	18	7
2009	Spring	BSPM361 - Elements of Plant Pathology	3	42
2009	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	17
2009	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	13
2009	Spring	BSPM361 - Elements of Plant Pathology - Lab	0	12
2009	Spring	BSPM580A2 - Plant Pathogenic Fungi	3	8
2009	Spring	BSPM580A2 - Plant Pathogenic Fungi - Lab	0	8
2009	Spring	BSPM798 - Research	18	10
2008	Fall	BSPM799 - Dissertation	18	6
2008	Fall	BSPM798 - Research	18	11
2008	Summer	BSPM699 - Thesis	18	1
2007	Fall	BSPM698 - Research	18	12

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Crop Science Society of America. (2002 - Present).

International Society of Arboriculture. (1990 - Present).

Society of American Foresters. (1980 - Present).

American Phytopathological Society. (1978 - Present).

Phi Beta Kappa. (1976 - Present).

American Phytopathological Meeting, CO. (2012 - Present).

American Phytopathological Society, Honolulu, HI. (2011 - Present).

American Phytopathological Society, Charlotte, NC. (2010 - Present).

Member, Crop Science Society of America. (2002 - Present).

Member, International Society of Arboriculture. (1990 - Present).

Member, Society of American Foresters. (1980 - Present).

Member, American Phytopathological Society. (1978 - Present).

Member, Phi Beta Kappa. (1976 - Present).

Plant Health Progress. (2011 - 2012).

Editor, Associate Editor, Plant Health Progress. (2007 - 2010).
